2097TO "1647/2250

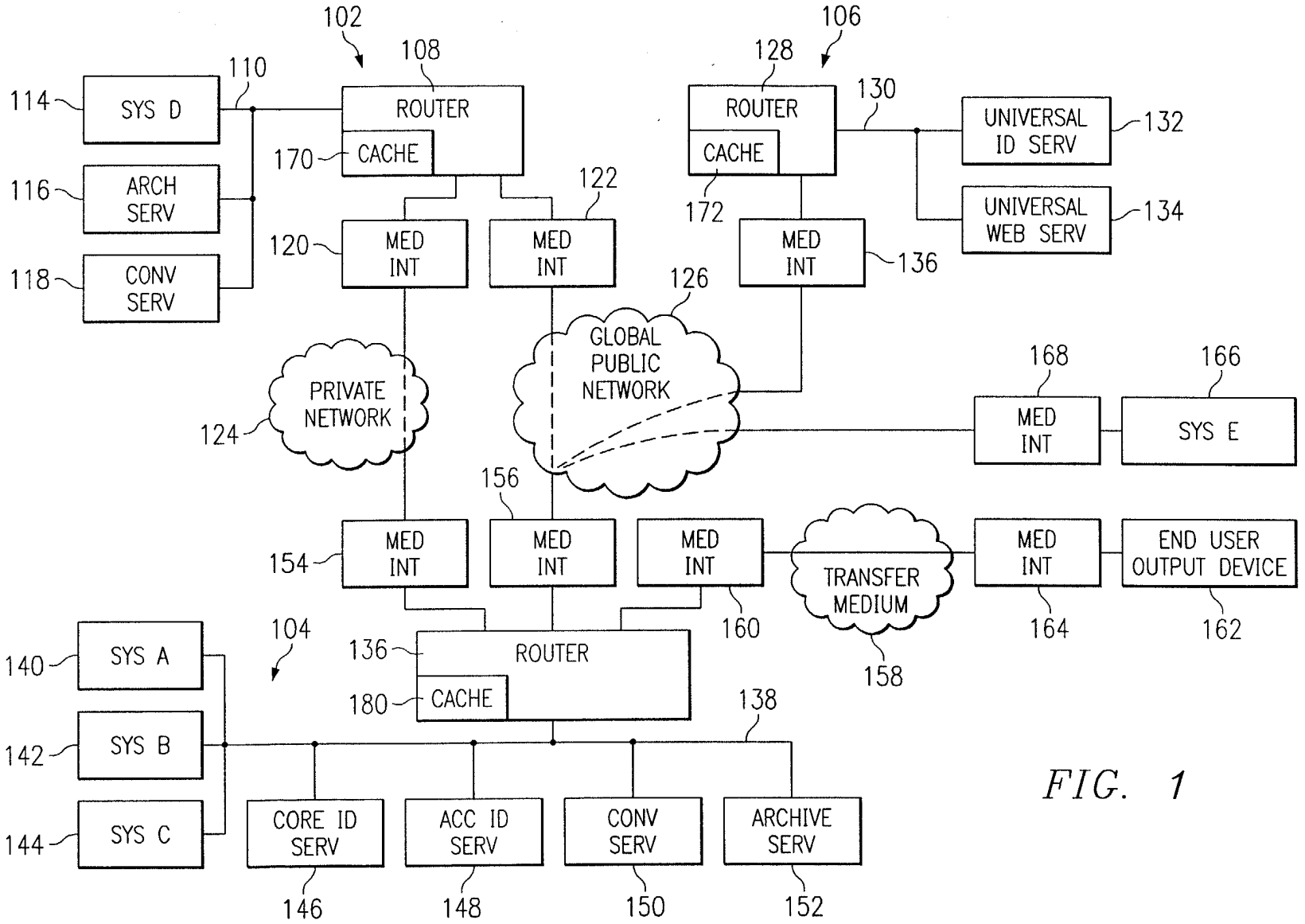

FIG. 1

ATTA-25,514

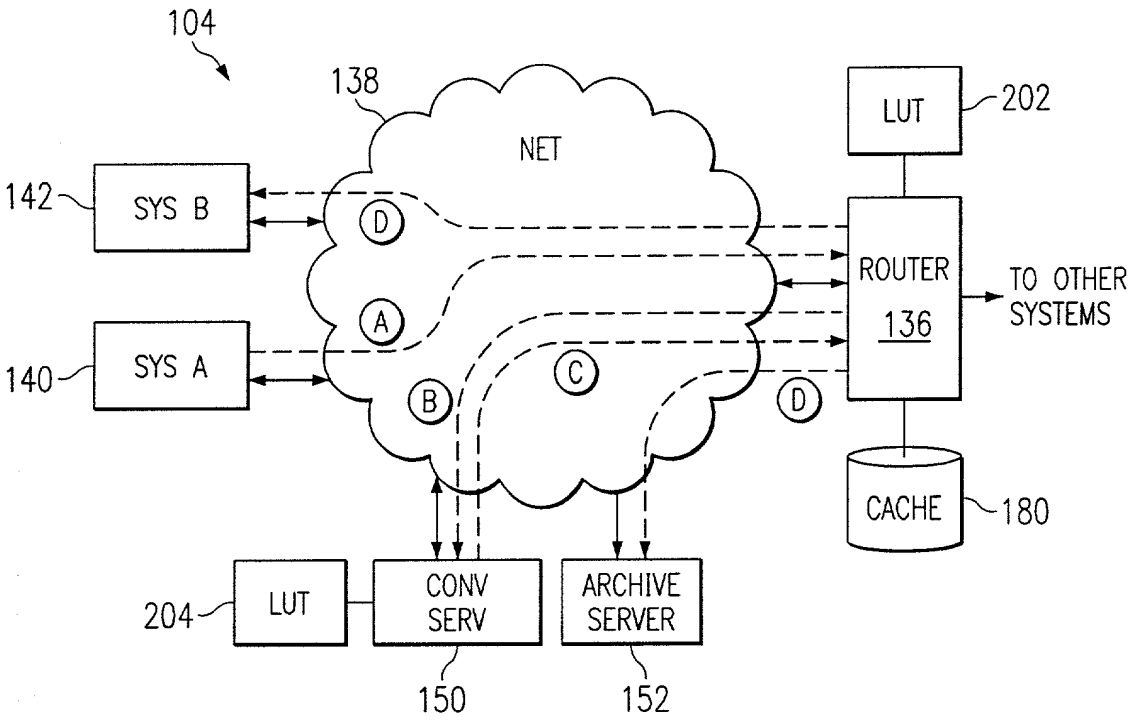
104
138
NET
LUT
202
142
SYS B
D
ROUTER
136
TO OTHER
SYSTEMS
A
140
SYS A
C
B
D
CACHE
180
204
LUT
CONV
SERV
ARCHIVE
SERVER
150
152

FIG. 2

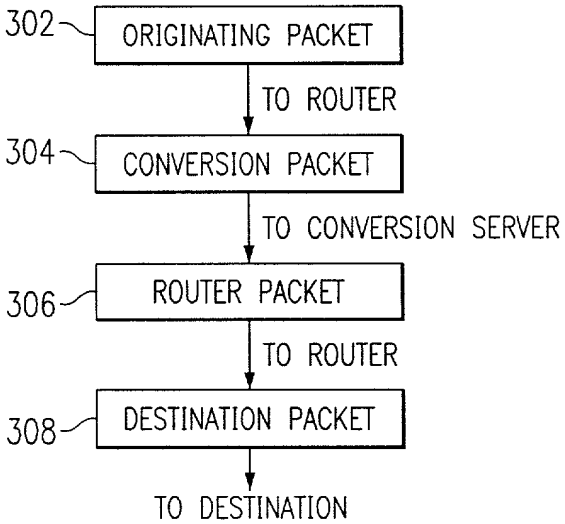
302
ORIGINATING PACKET
TO ROUTER
304
CONVERSION PACKET
TO CONVERSION SERVER
306
ROUTER PACKET
TO ROUTER
308
DESTINATION PACKET
TO DESTINATION

FIG. 3

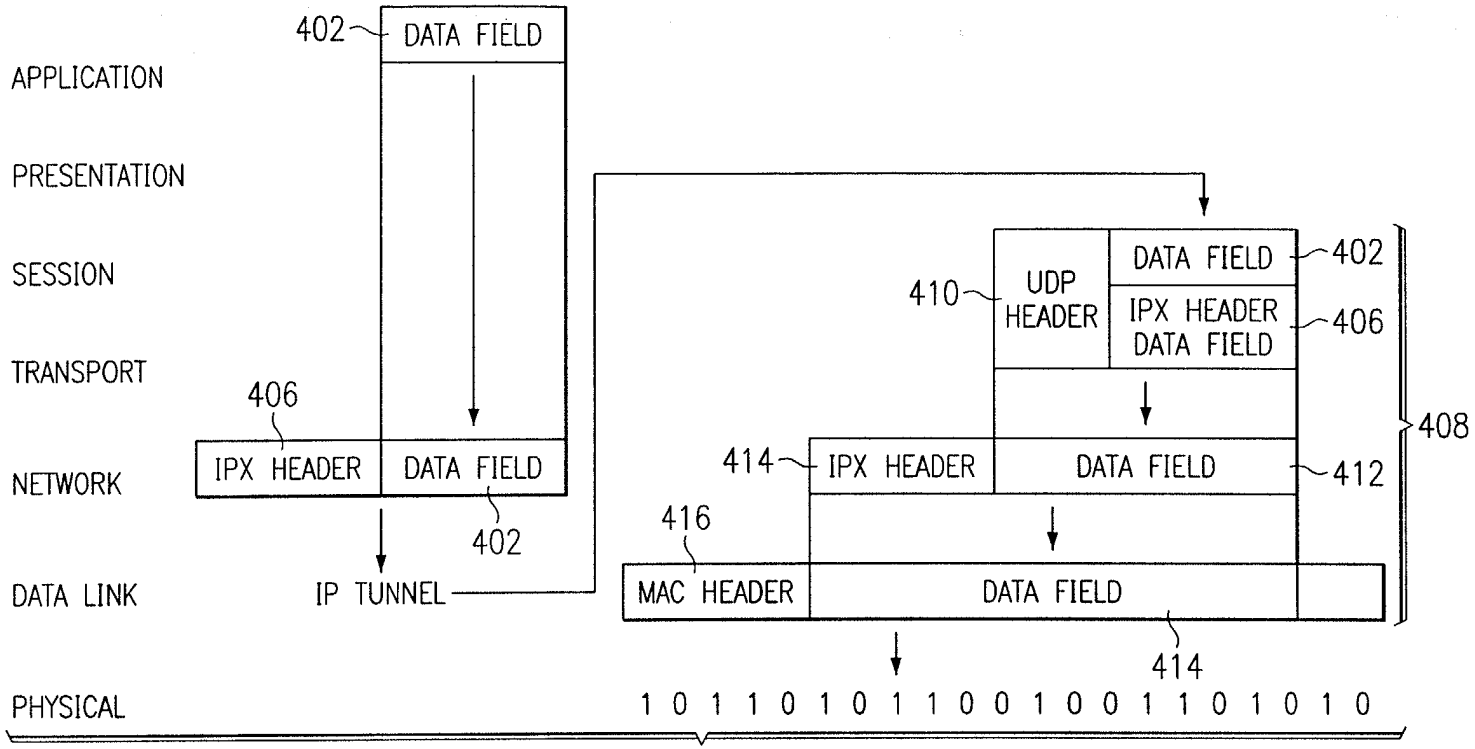

FIG. 4a

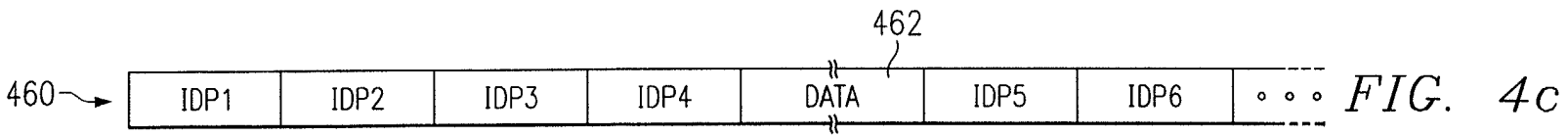

FIG. 4c

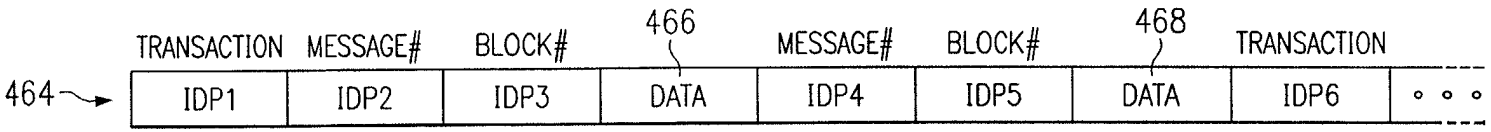

FIG. 4d

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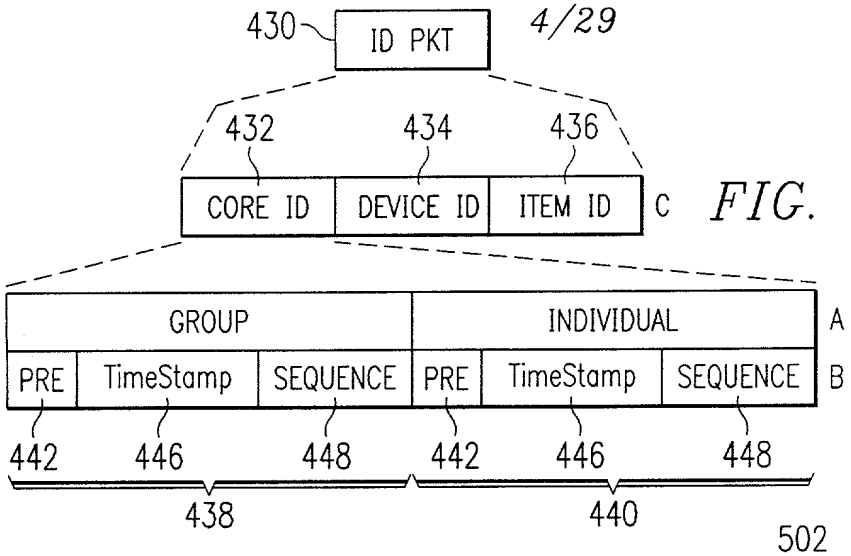

FIG. 4b

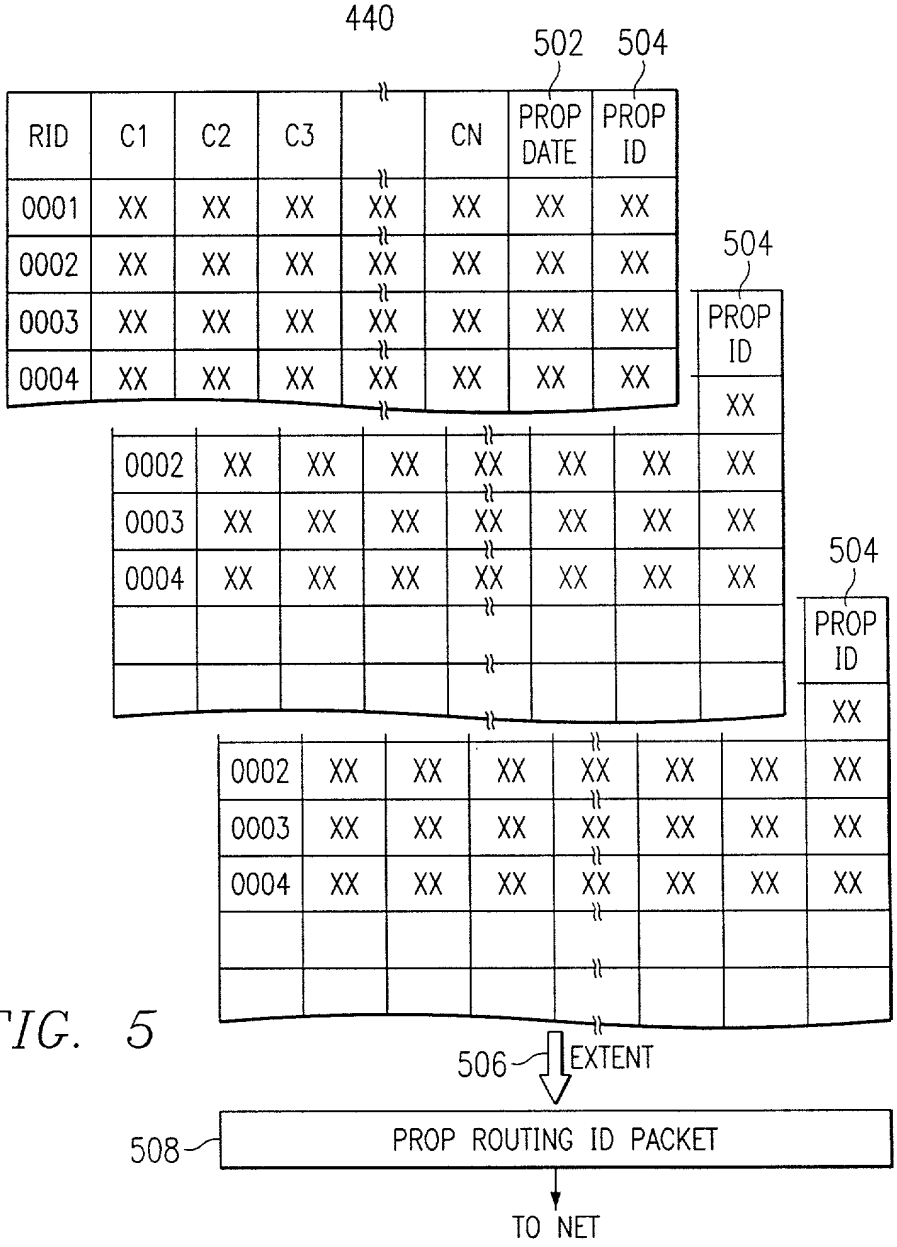

FIG. 5

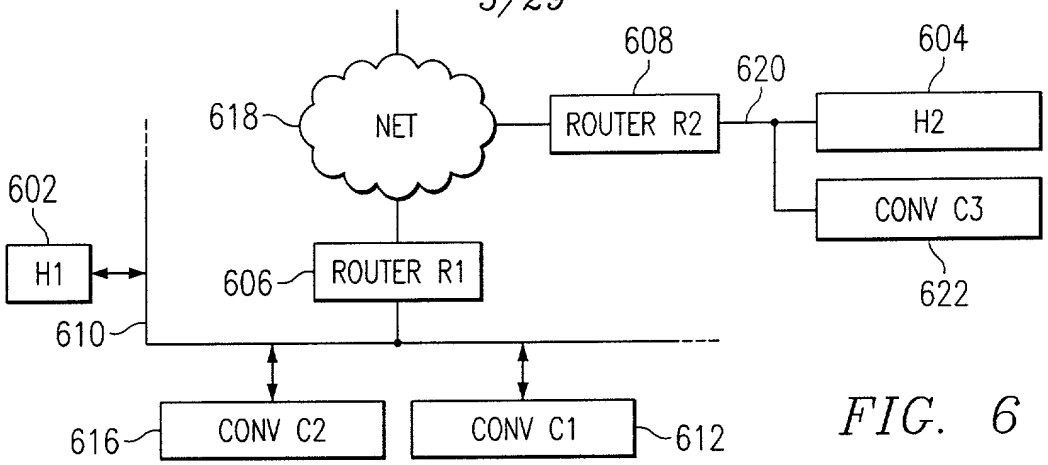

FIG. 6

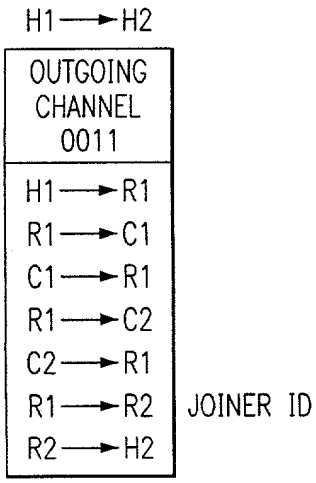

FIG. 7a

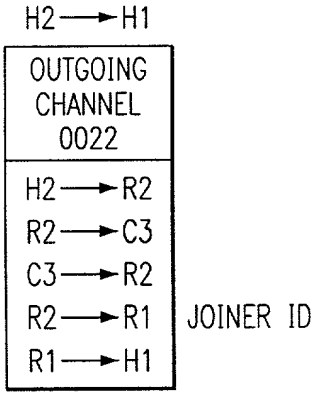

FIG. 7b

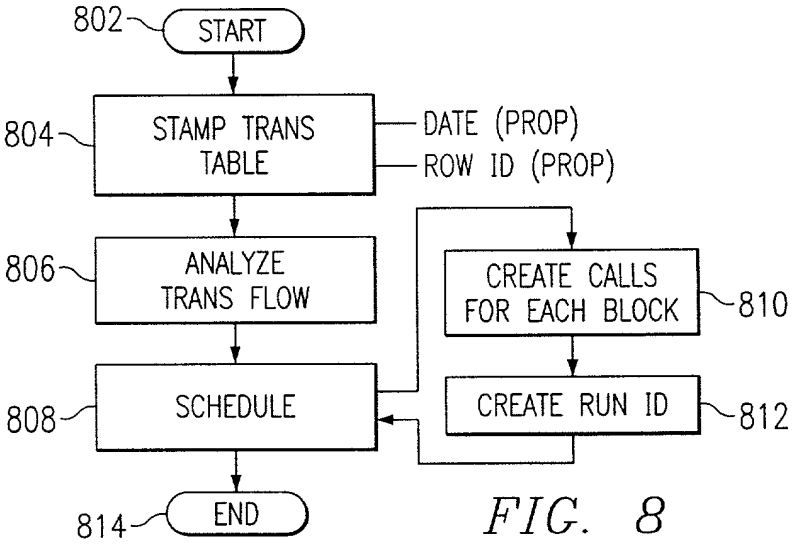

FIG. 8

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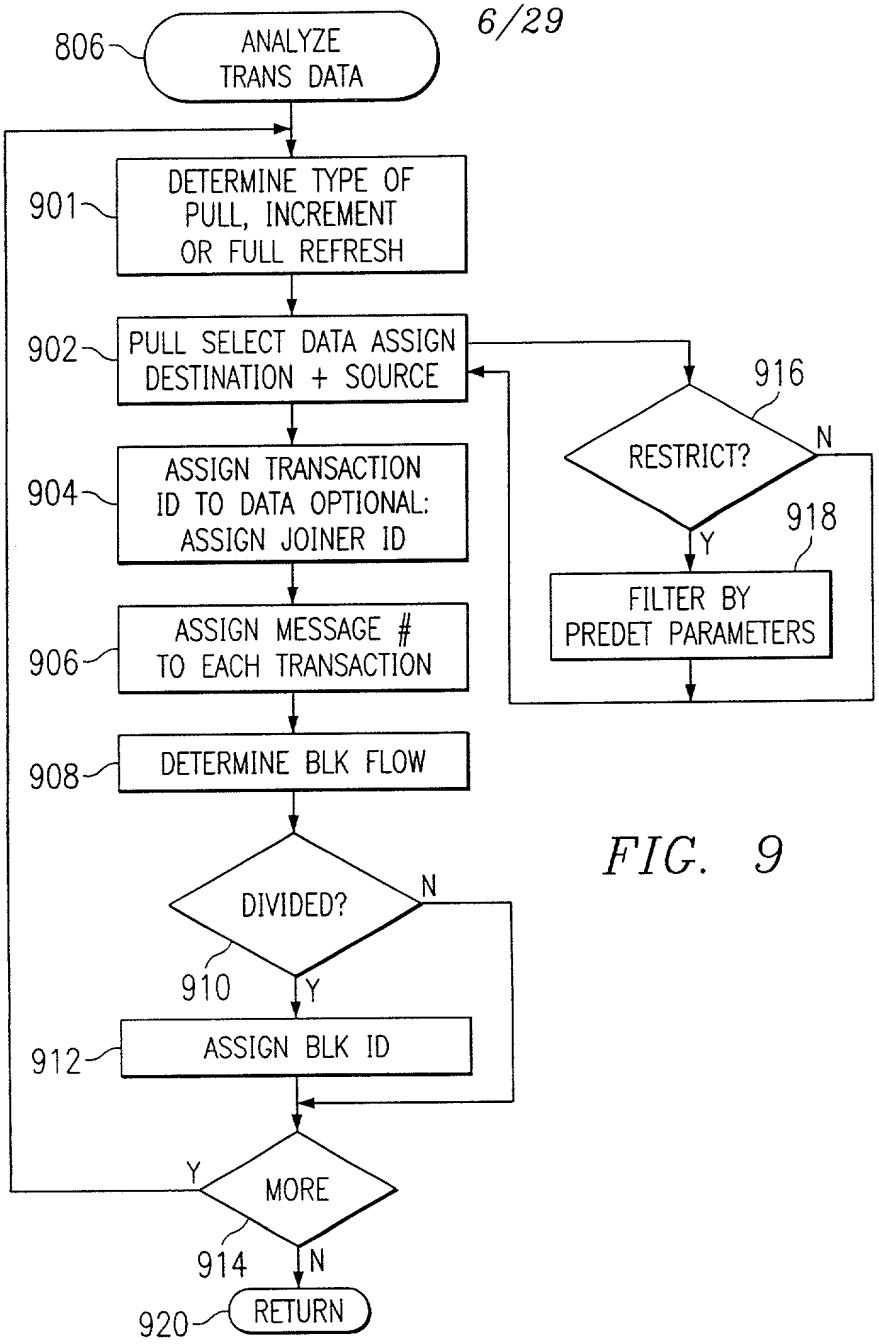

FIG. 9

TRANS TABLE

MESSAGE NUMBER	TRANSACTION ID	JOINER ID	ROW ID	DATE (1002)	BLOCK ID (1004)	RUN ID

FIG. 10

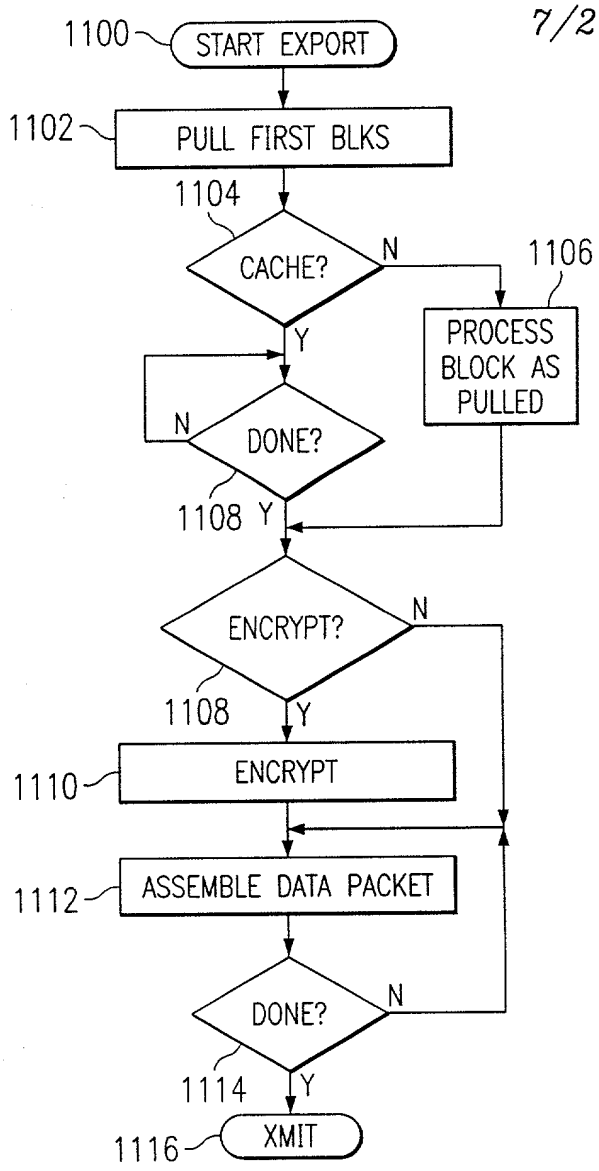

FIG. 11

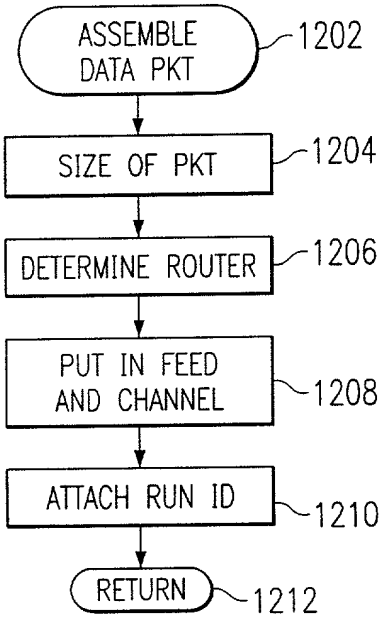

FIG. 12

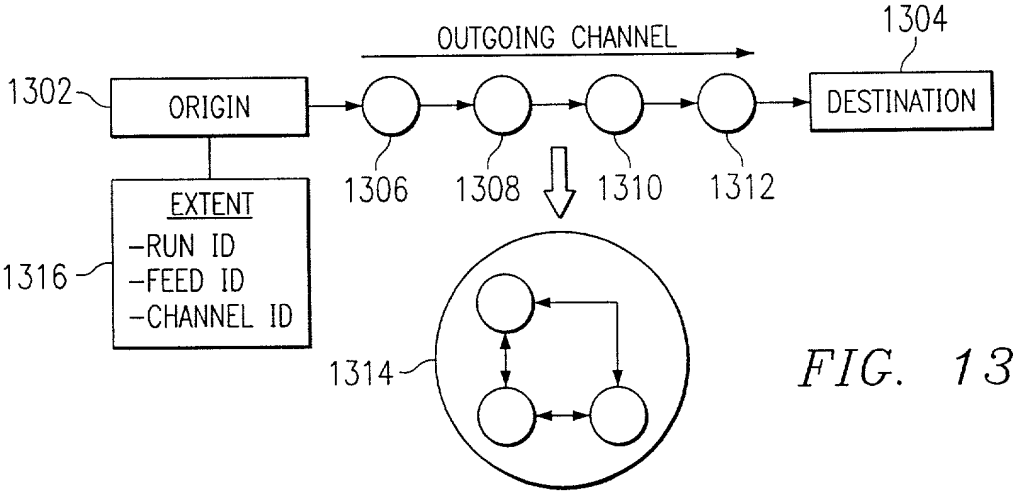

FIG. 13

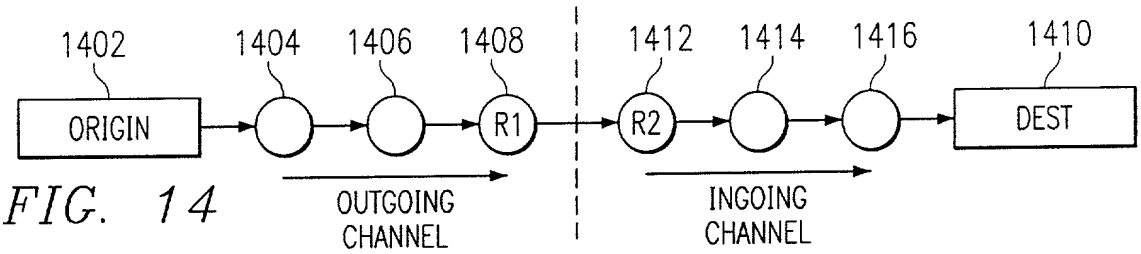

FIG. 14

ROUTER R1

JOINER ID	IDPKT
0128	XXXX
0345	YYYY

ROUTER R2

JOINER ID	IDPKT
0128	ZZZZ
0345	WWWW

FIG. 14a

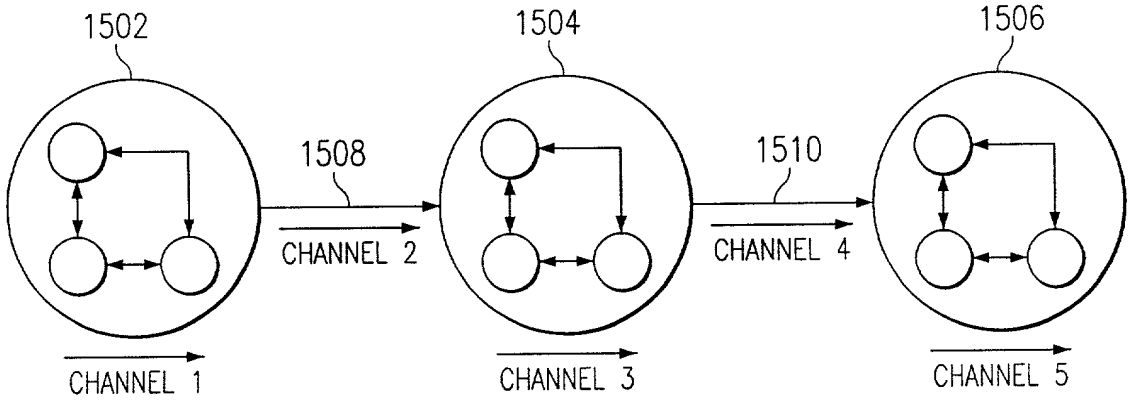

FIG. 15

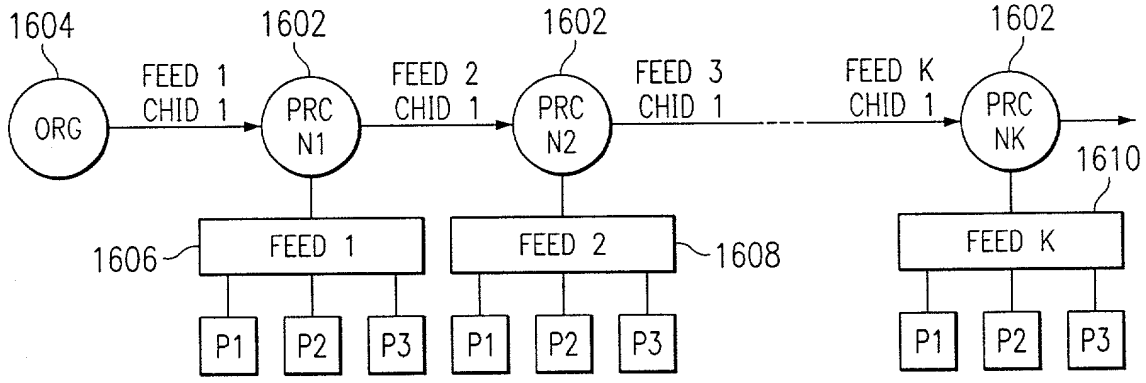

FIG. 16

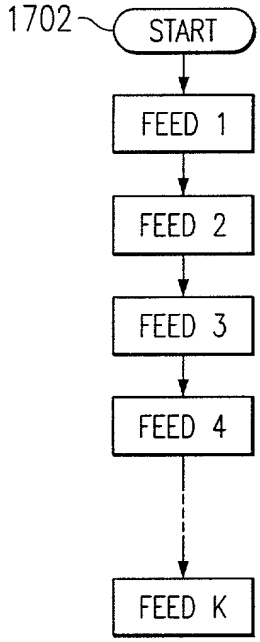

FIG. 17

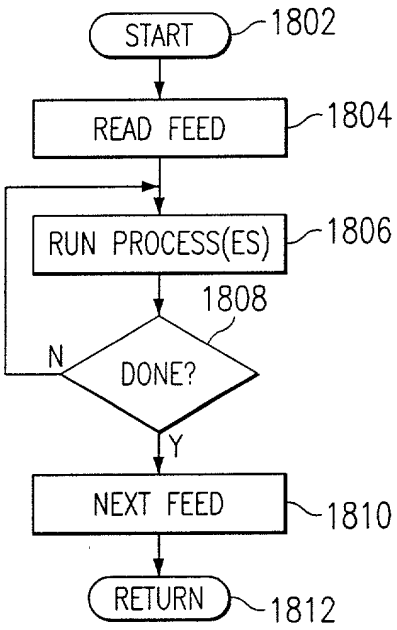

FIG. 18

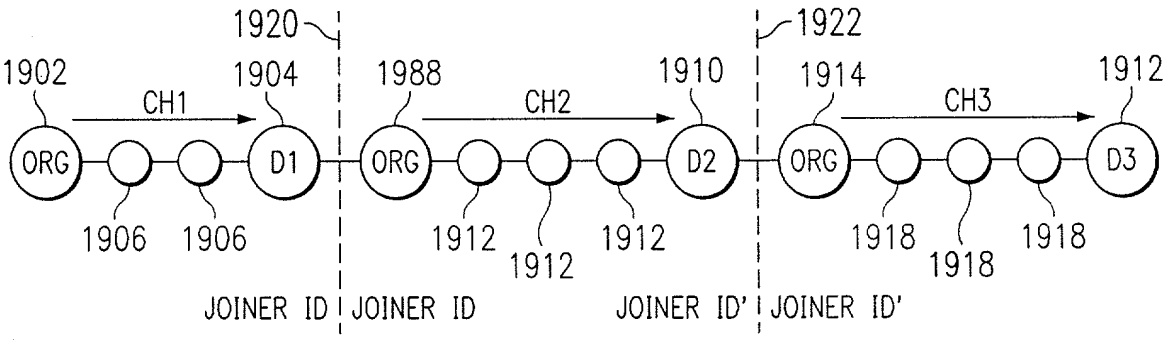

FIG. 19

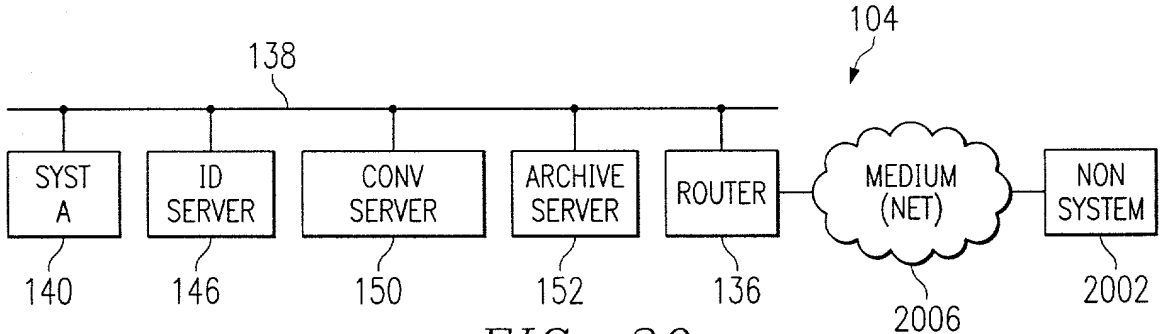

FIG. 20

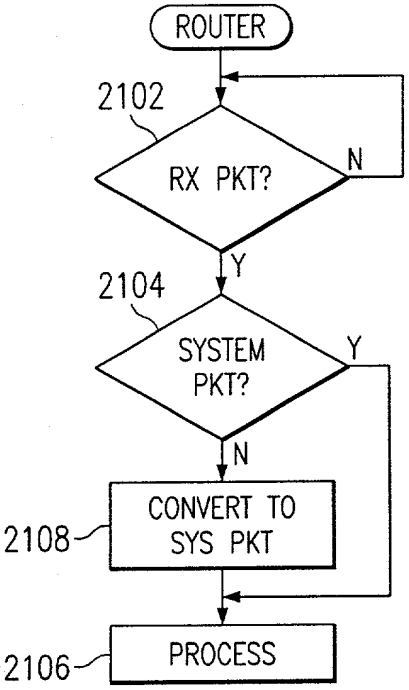

FIG. 21

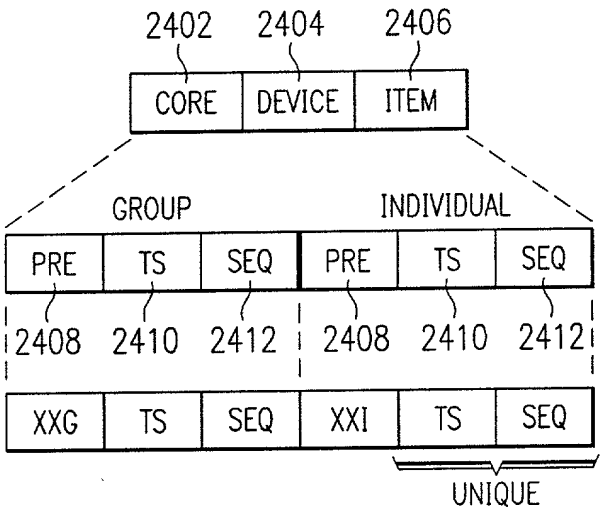

FIG. 24

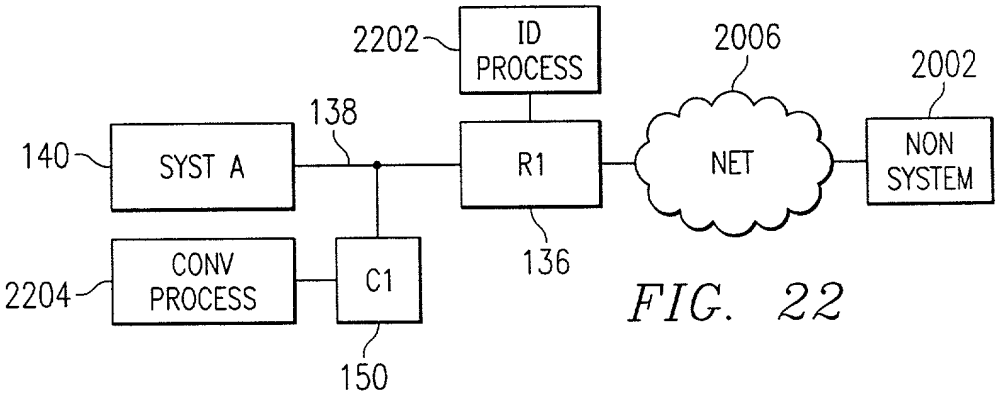

FIG. 22

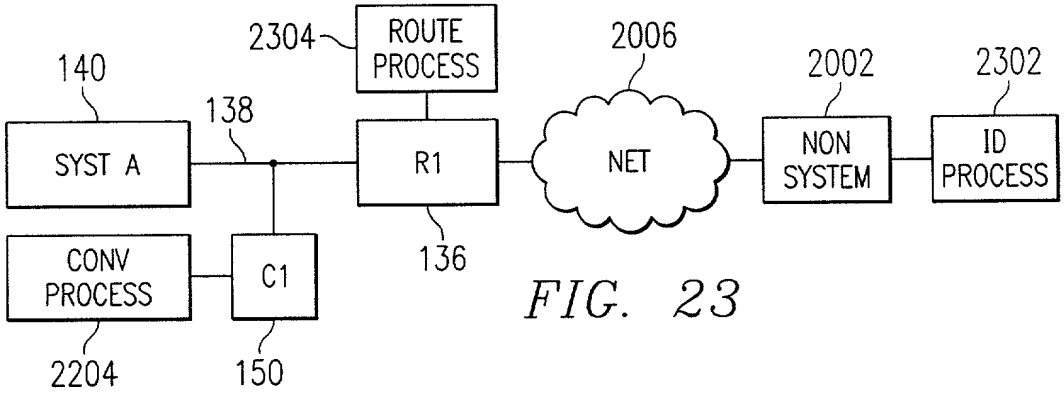

FIG. 23

TABLE 1

CORE (WHO)	DEVICE (WHERE)	ITEM (WHAT)
CORPORATION OR ENTITY	ASSIGNEE OF THE PACKET, e.g., COMPUTER, PHONE, ETC	OBJECT, e.g., ARTICLE, NET ADDRESS, REAL ESTATE PROPERTY, ETC

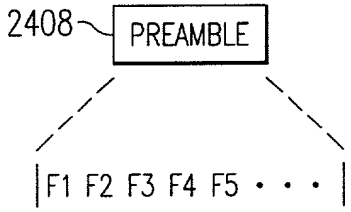

TABLE 2

F1	F2	F3	F4	F5	TS/SEQ	CONTENT
A	B	Z	C	W	XXXX	———
C	T	Q	I	C	XXXX	———
F	L	A	K	L	XXXX	———
G	M	B	R	S	XXXX	———

FIG. 25

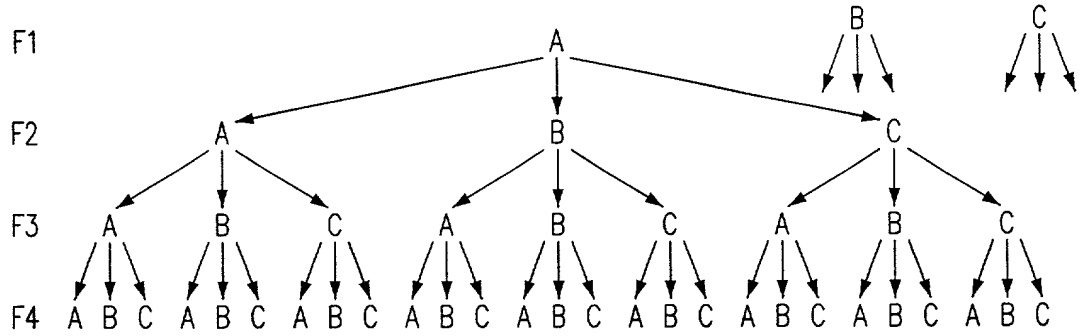

FIG. 26

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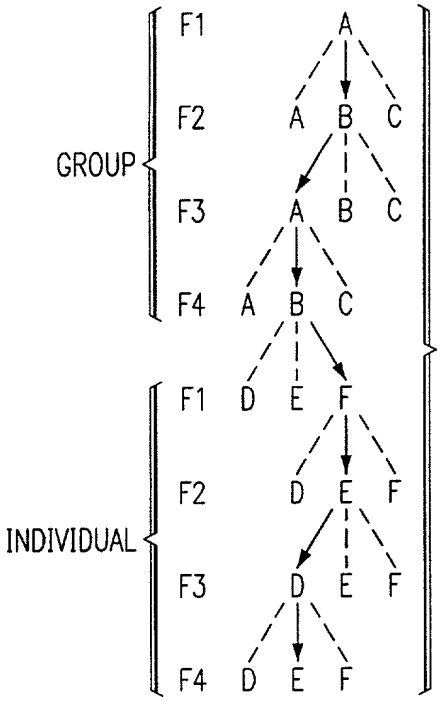

FIG. 27

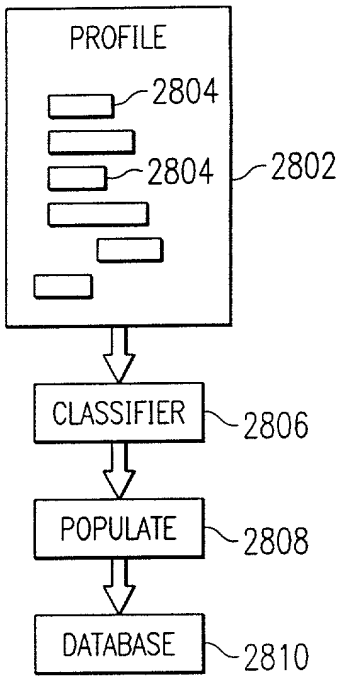

FIG. 28

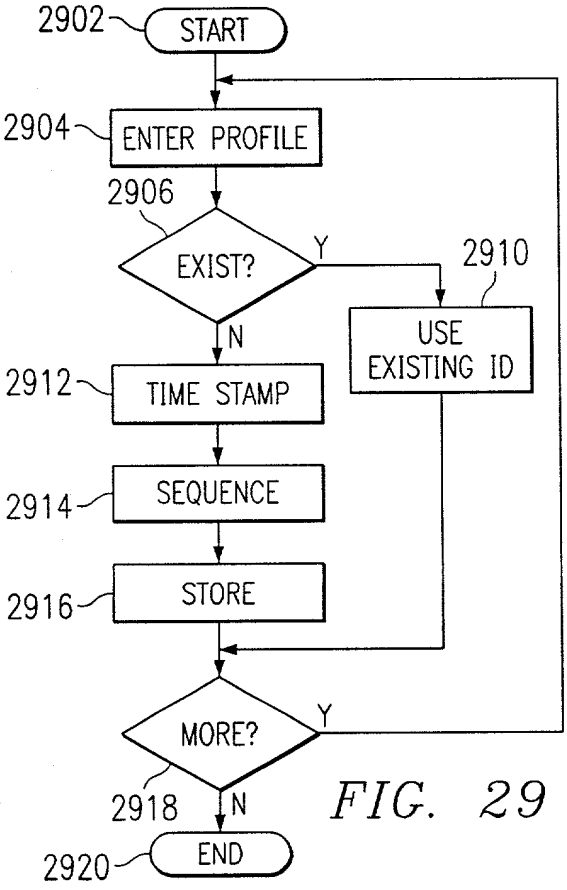

FIG. 29

PP (CATHETER) CI → PPCBIITS/S
PP (CATHETER) CI ↗
PP (CATHETER) CI → PPCLIITS/S
PP (CATHETER) VI → PPCPIITS/S

FIG. 30

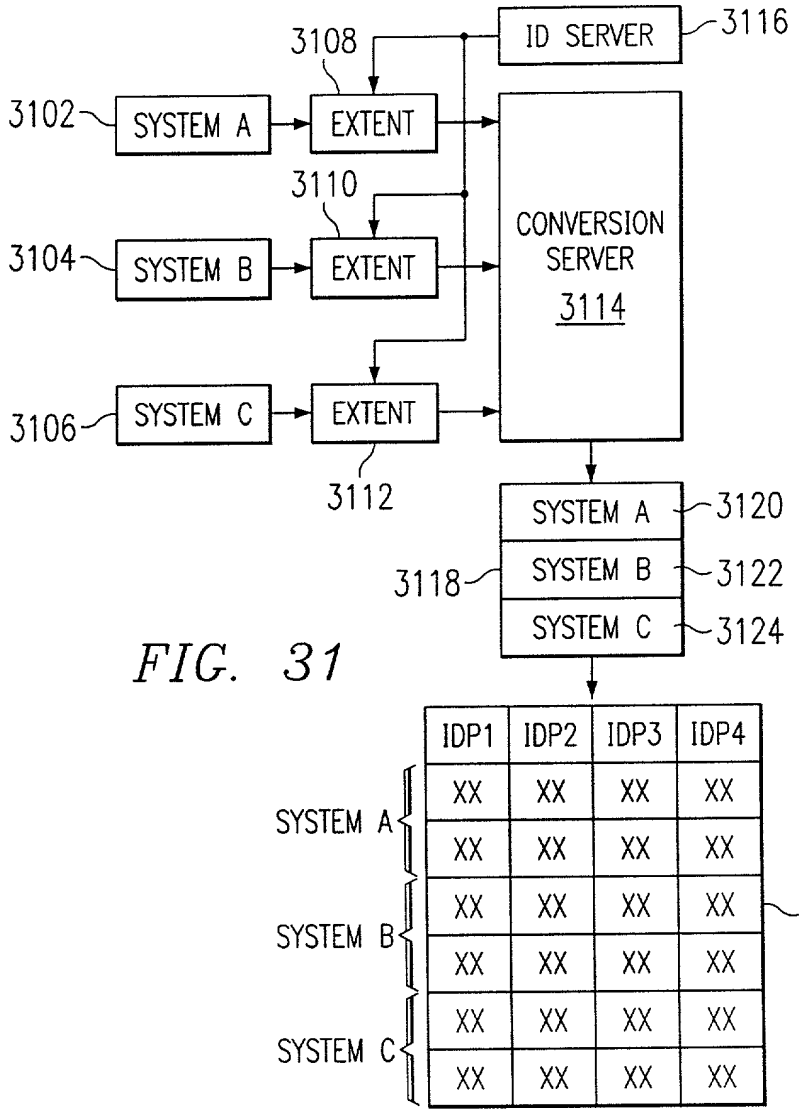
ID SERVER
3116
3108
3102
SYSTEM A
EXTENT
3110
3104
SYSTEM B
EXTENT
CONVERSION SERVER
3114
3106
SYSTEM C
EXTENT
3112
SYSTEM A
3120
3118
SYSTEM B
3122
SYSTEM C
3124
IDP1
IDP2
IDP3
IDP4
SYSTEM A
SYSTEM B
SYSTEM C
XX
3126

FIG. 31

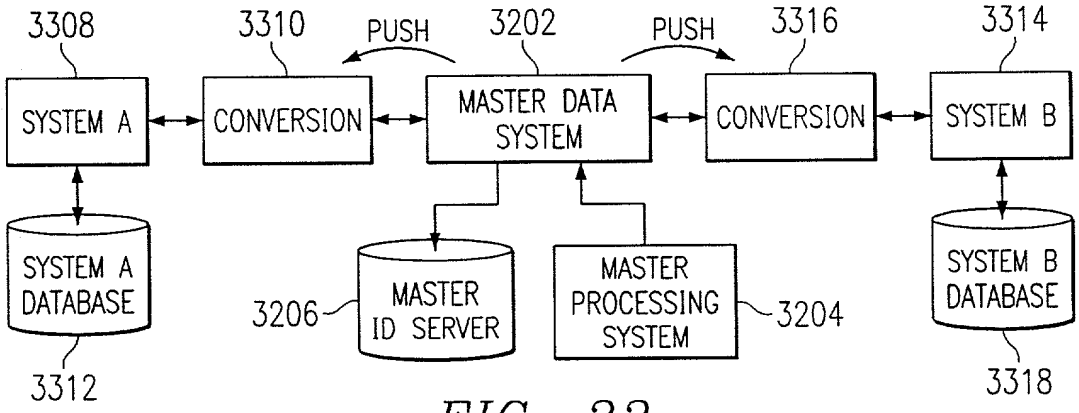
3308
3310
PUSH
3202
PUSH
3316
3314
SYSTEM A
CONVERSION
MASTER DATA SYSTEM
CONVERSION
SYSTEM B
SYSTEM A DATABASE
3312
3206
MASTER ID SERVER
MASTER PROCESSING SYSTEM
3204
SYSTEM B DATABASE
3318

FIG. 32

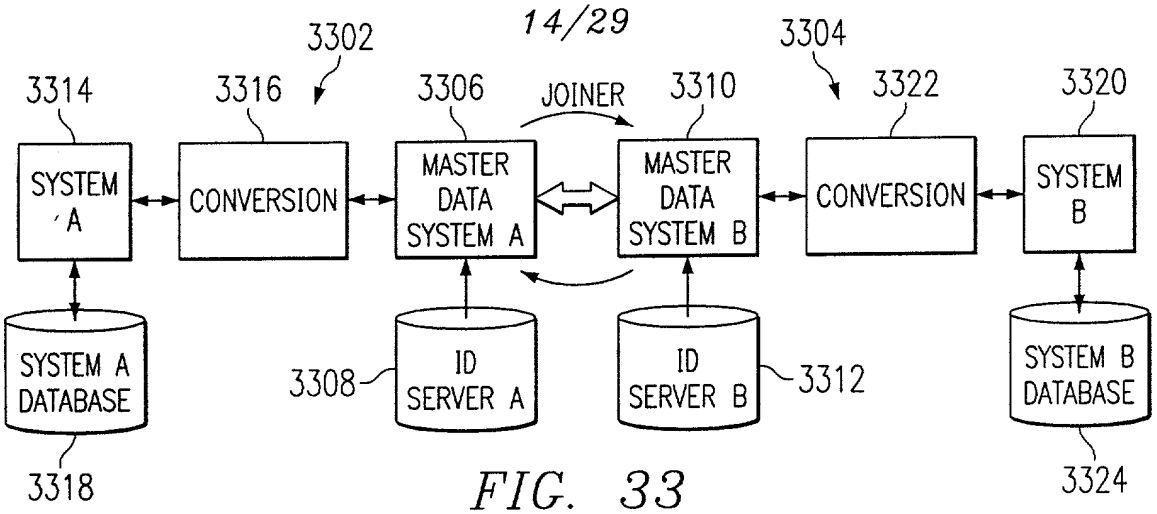

FIG. 33

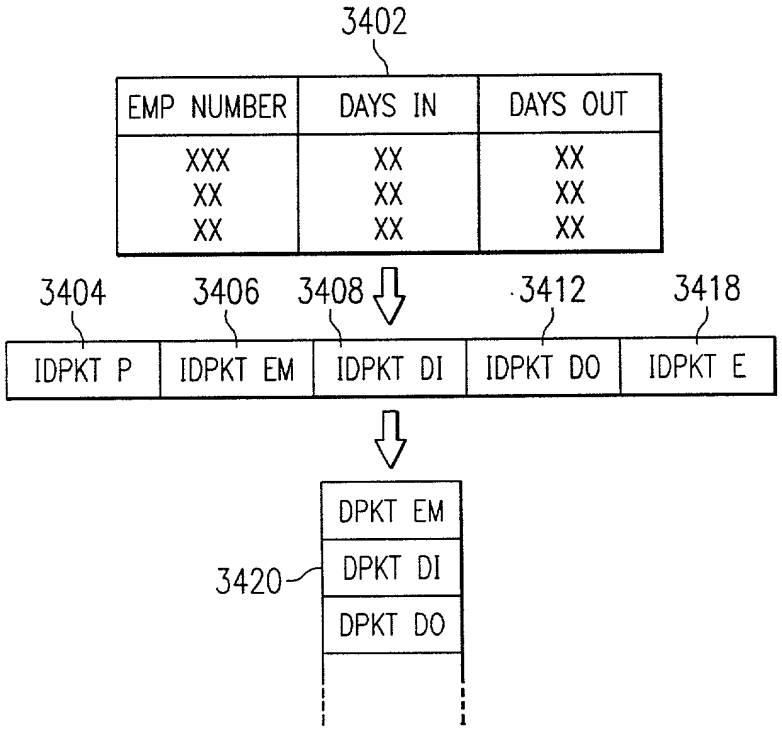

FIG. 34

EMP	IDPKT
EMP 1	DIN
EMP 1	DOUT
EMP 2	DIN
EMP 2	DOUT

FIG. 34a

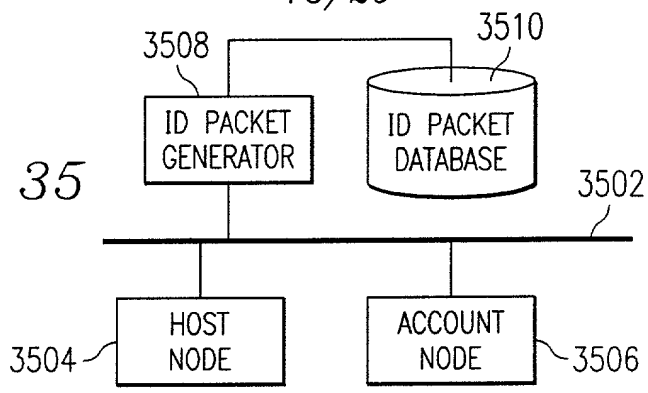

FIG. 35

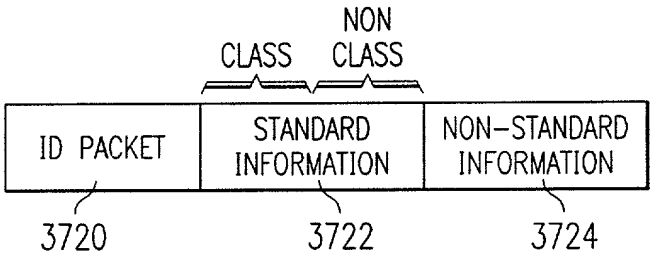

FIG. 37a

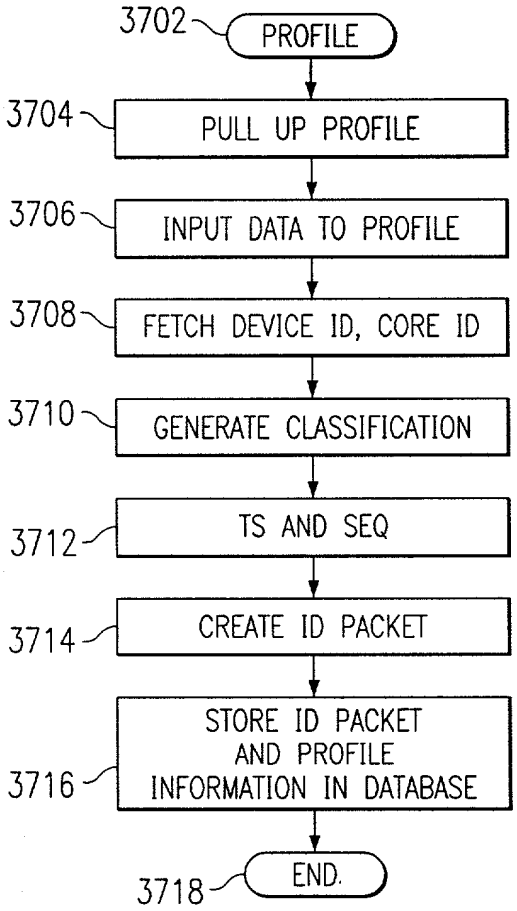

FIG. 37

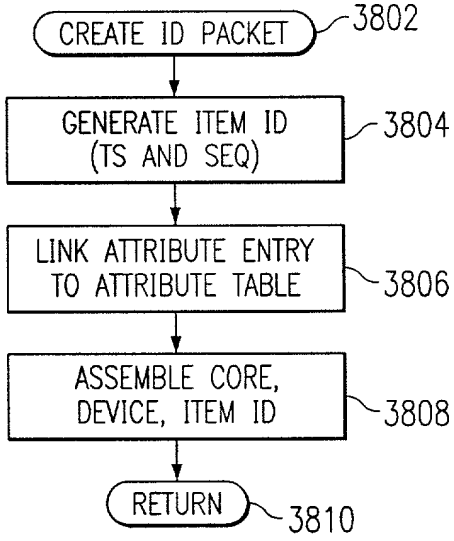

FIG. 38

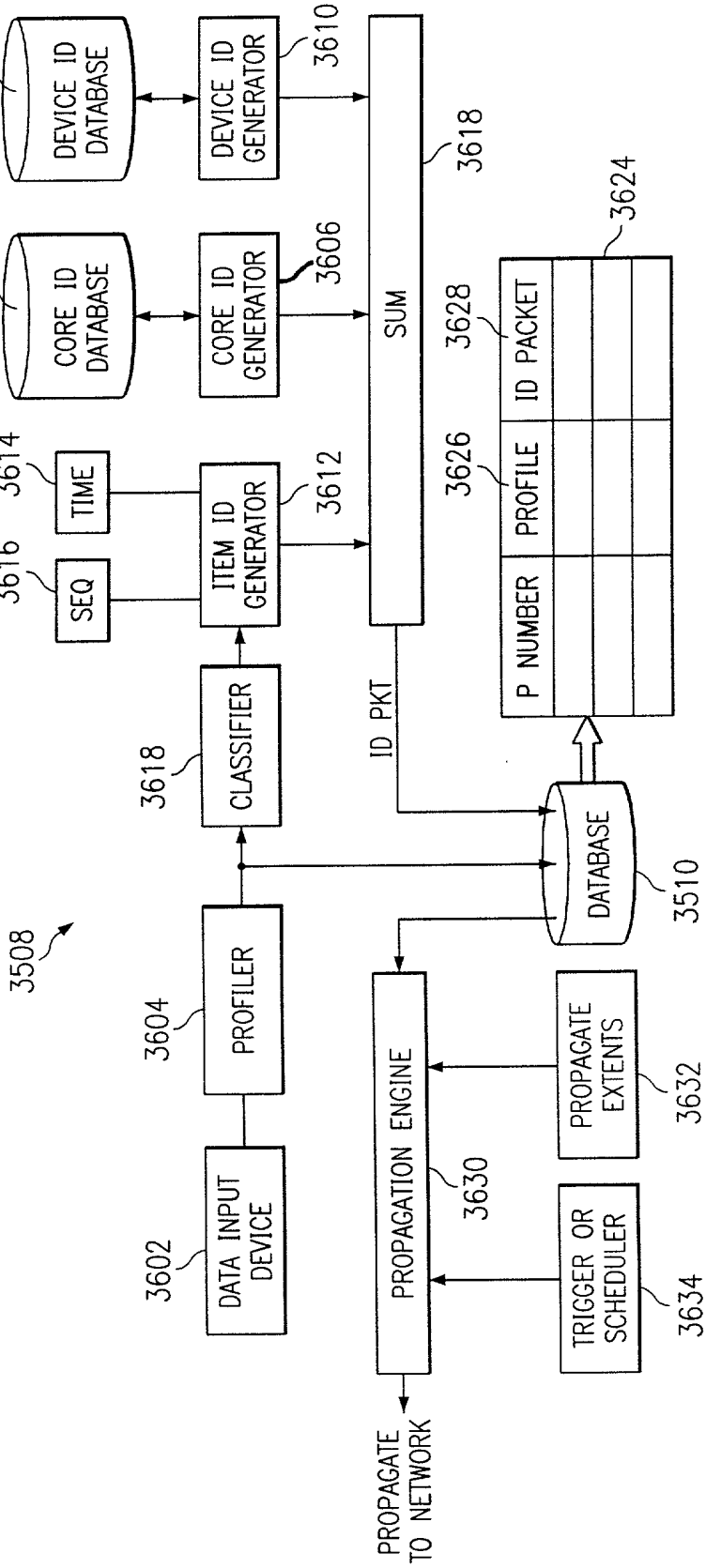
3508
3602
DATA INPUT DEVICE
3604
PROFILER
3618
CLASSIFIER
3612
ITEM ID GENERATOR
3614
TIME
3616
SEQ
3608
CORE ID DATABASE
3606
CORE ID GENERATOR
3609
DEVICE ID DATABASE
3610
DEVICE ID GENERATOR
3618
SUM
ID PKT
3510
DATABASE
3624
3628
ID PACKET
3626
PROFILE
P NUMBER
3630
PROPAGATION ENGINE
3632
PROPAGATE EXTENTS
3634
TRIGGER OR SCHEDULER
PROPAGATE TO NETWORK

FIG. 36

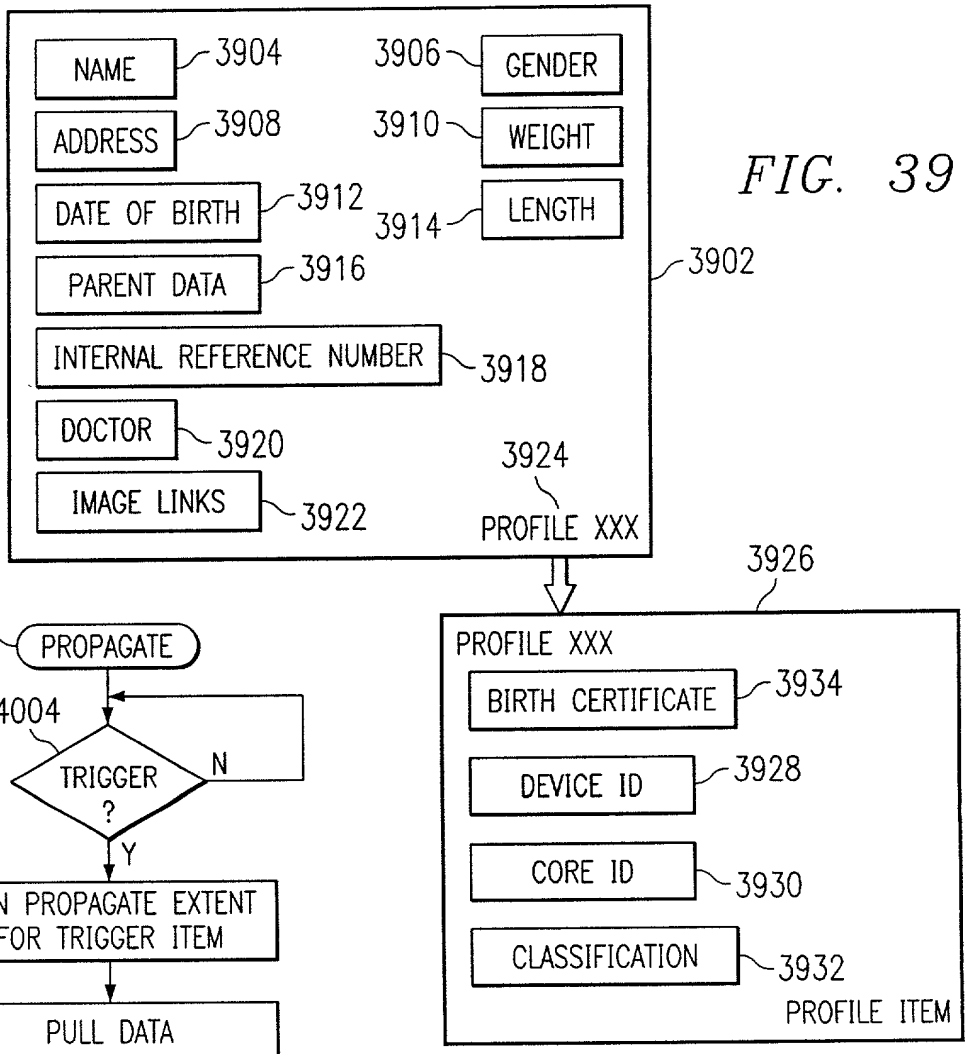
NAME
3904
3906
GENDER
ADDRESS
3908
3910
WEIGHT
DATE OF BIRTH
3912
3914
LENGTH
PARENT DATA
3916
3902
INTERNAL REFERENCE NUMBER
3918
DOCTOR
3920
3924
IMAGE LINKS
3922
PROFILE XXX
3926
PROFILE XXX
BIRTH CERTIFICATE
3934
DEVICE ID
3928
CORE ID
3930
CLASSIFICATION
3932
PROFILE ITEM

FIG. 39

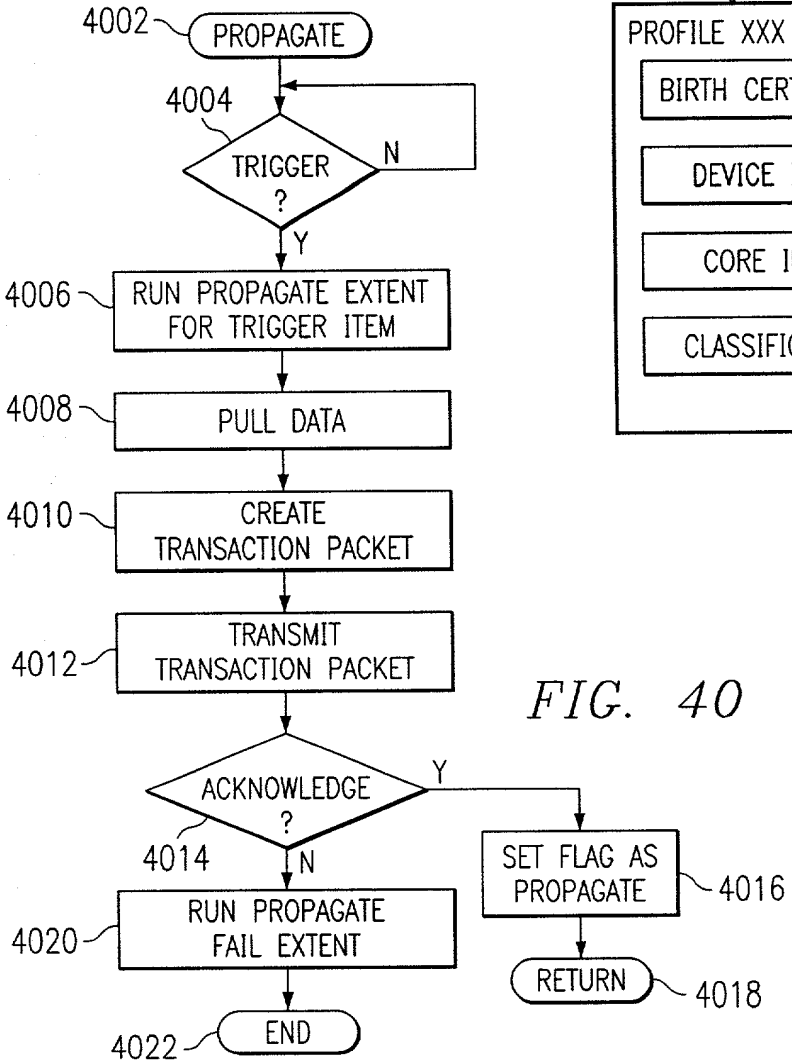
4002
PROPAGATE
4004
TRIGGER ?
N
Y
4006
RUN PROPAGATE EXTENT FOR TRIGGER ITEM
4008
PULL DATA
4010
CREATE TRANSACTION PACKET
4012
TRANSMIT TRANSACTION PACKET
ACKNOWLEDGE ?
Y
4014
N
SET FLAG AS PROPAGATE
4016
4020
RUN PROPAGATE FAIL EXTENT
RETURN
4018
4022
END

FIG. 40

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FIG. 41

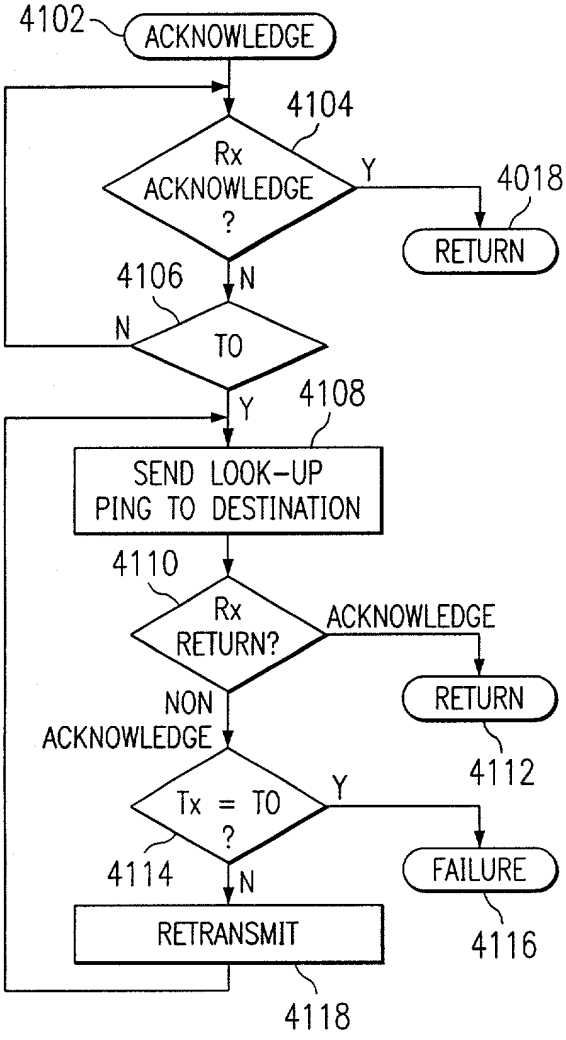
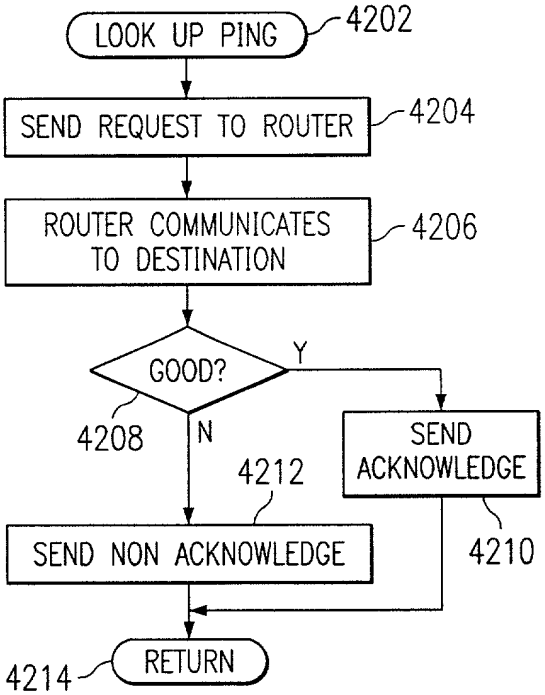


FIG. 42



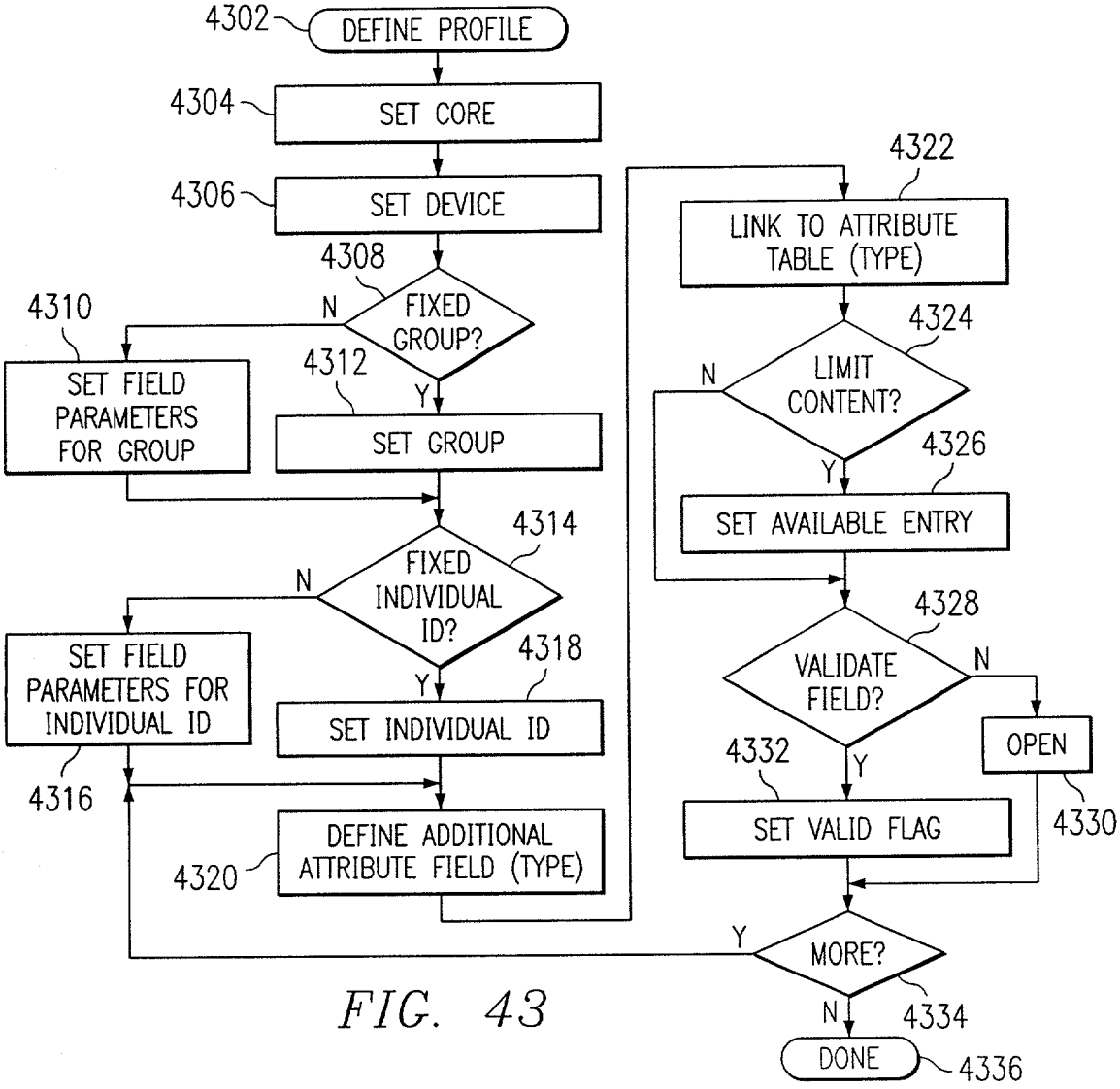

4302
DEFINE PROFILE
4304
SET CORE
4306
SET DEVICE
4308
FIXED GROUP?
N
Y
4310
SET FIELD PARAMETERS FOR GROUP
4312
SET GROUP
4314
FIXED INDIVIDUAL ID?
N
Y
SET FIELD PARAMETERS FOR INDIVIDUAL ID
4316
4318
SET INDIVIDUAL ID
4320
DEFINE ADDITIONAL ATTRIBUTE FIELD (TYPE)
4322
LINK TO ATTRIBUTE TABLE (TYPE)
4324
LIMIT CONTENT?
N
Y
4326
SET AVAILABLE ENTRY
4328
VALIDATE FIELD?
N
Y
OPEN
4330
4332
SET VALID FLAG
MORE?
Y
N
4334
DONE
4336

FIG. 43

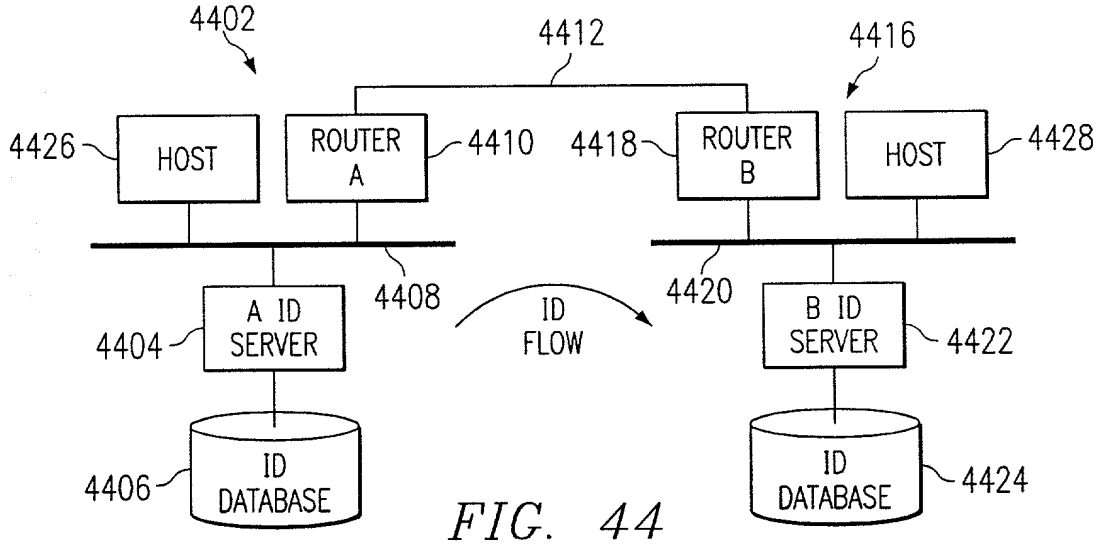

4402
4412
4416
4426
HOST
ROUTER A
4410
4418
ROUTER B
HOST
4428
4408
4420
A ID SERVER
4404
ID FLOW
B ID SERVER
4422
ID DATABASE
4406
ID DATABASE
4424

FIG. 44

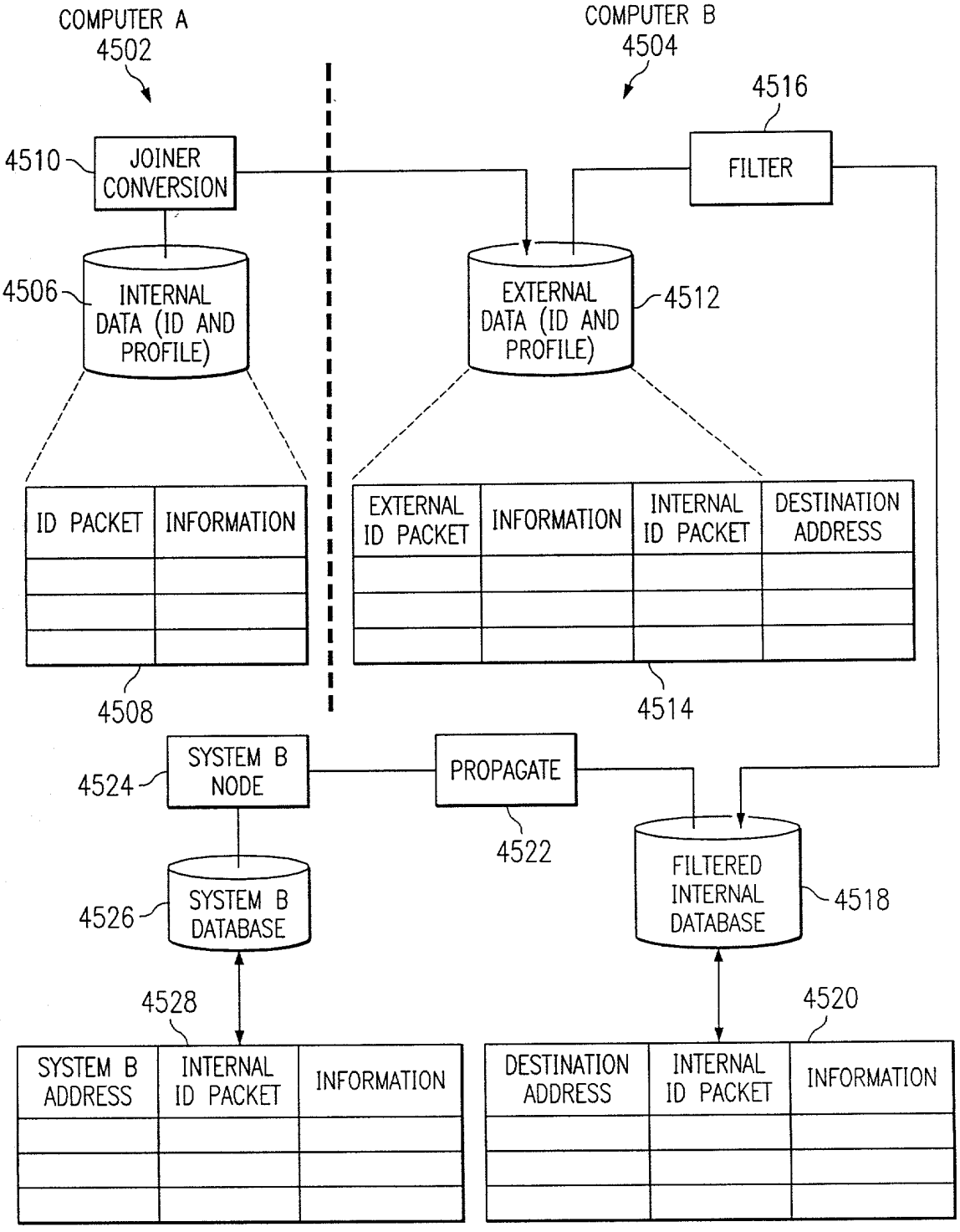
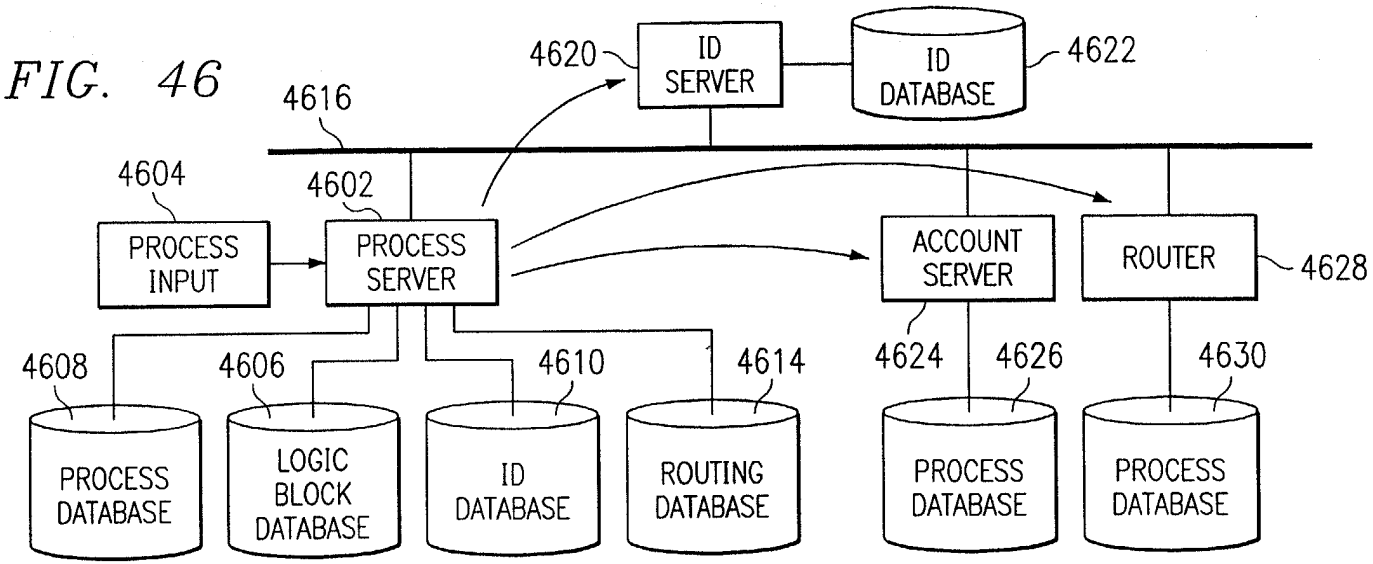

COMPUTER A
4502
COMPUTER B
4504
4516
4510
JOINER CONVERSION
FILTER
4506
INTERNAL DATA (ID AND PROFILE)
EXTERNAL DATA (ID AND PROFILE)
4512
ID PACKET
INFORMATION
EXTERNAL ID PACKET
INFORMATION
INTERNAL ID PACKET
DESTINATION ADDRESS
4508
4514
4524
SYSTEM B NODE
PROPAGATE
4522
FILTERED INTERNAL DATABASE
4518
4526
SYSTEM B DATABASE
4528
4520
SYSTEM B ADDRESS
INTERNAL ID PACKET
INFORMATION
DESTINATION ADDRESS
INTERNAL ID PACKET
INFORMATION

FIG. 45

FIG. 46


4620
ID SERVER
ID DATABASE
4622
4616
4604
4602
PROCESS INPUT
PROCESS SERVER
ACCOUNT SERVER
ROUTER
4628
4608
4606
4610
4614
4624
4626
4630
PROCESS DATABASE
LOGIC BLOCK DATABASE
ID DATABASE
ROUTING DATABASE
PROCESS DATABASE
PROCESS DATABASE

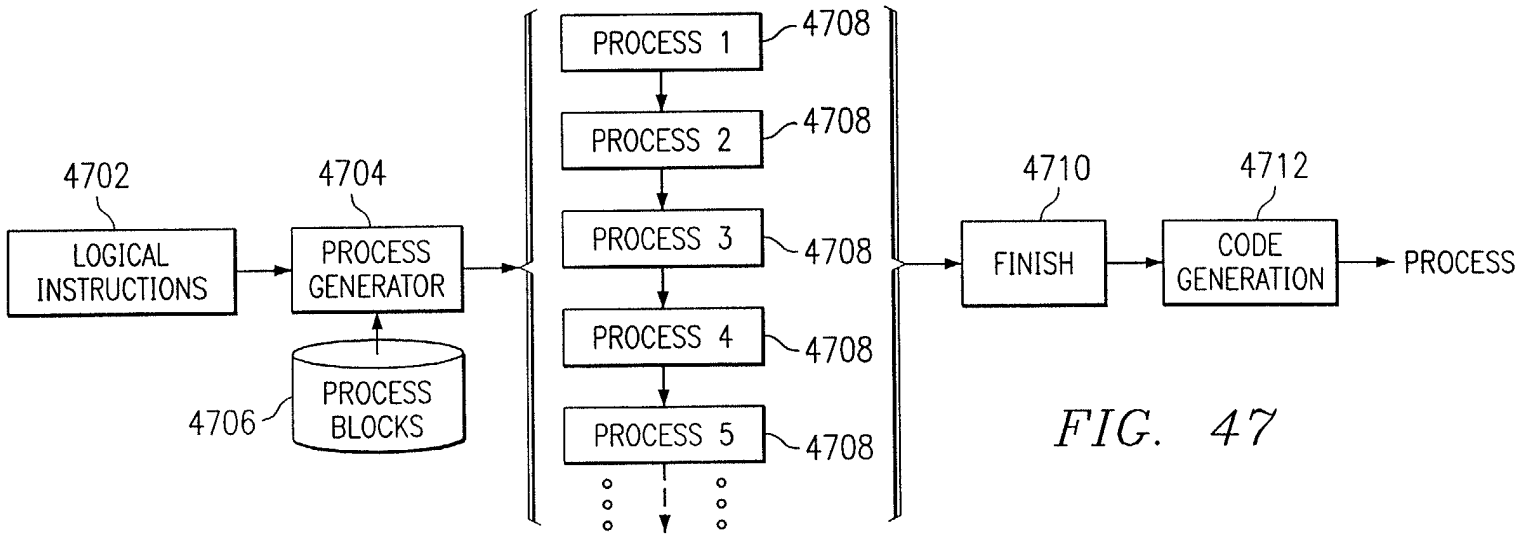

4702
LOGICAL INSTRUCTIONS
4704
PROCESS GENERATOR
4706
PROCESS BLOCKS
PROCESS 1
PROCESS 2
PROCESS 3
PROCESS 4
PROCESS 5
4708
4710
FINISH
4712
CODE GENERATION
PROCESS

FIG. 47

FIG. 48

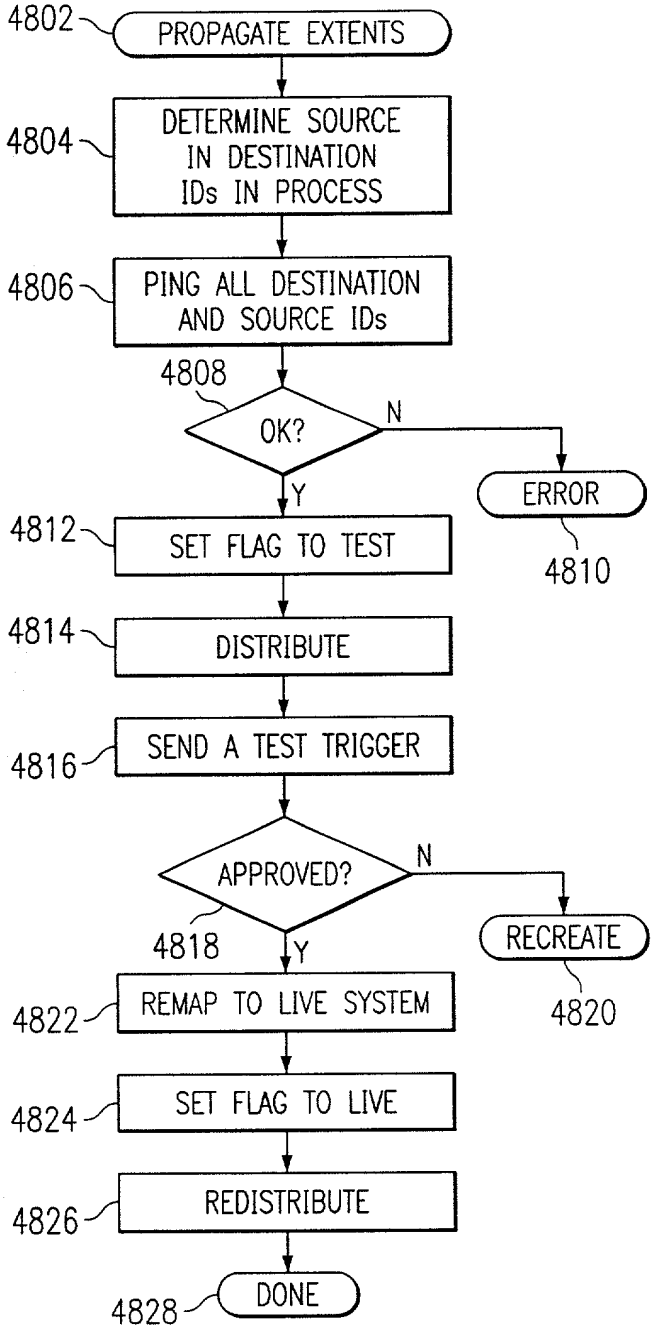
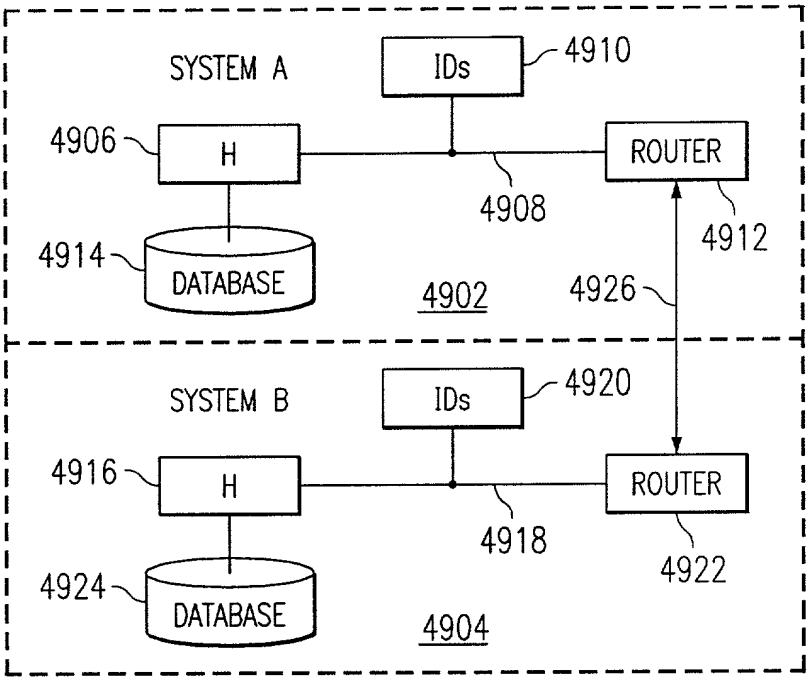


FIG. 50

VENDOR	SYSTEM A		SYSTEM B	
	VID	IDPKT	VID	IDPKT
ABC	123	XXX	567	YYY

FIG. 49



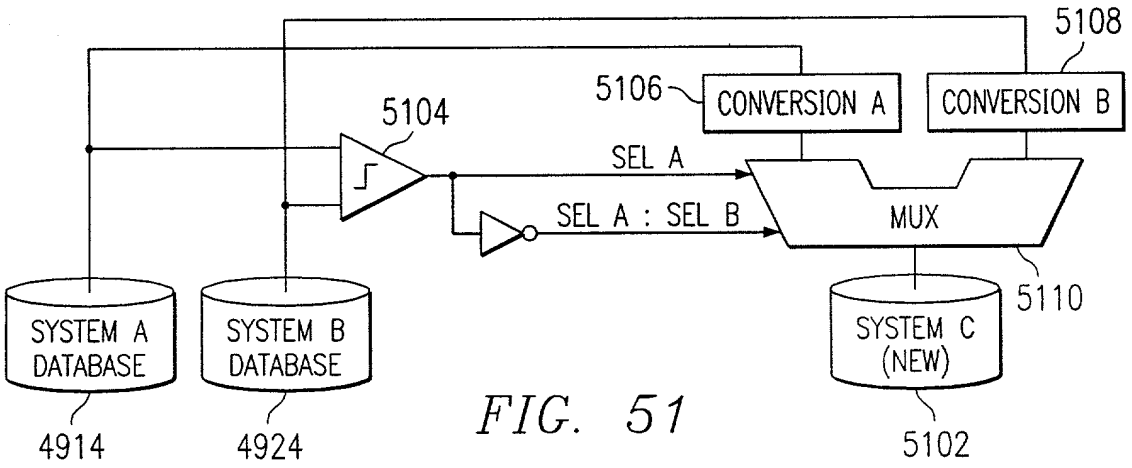


FIG. 51

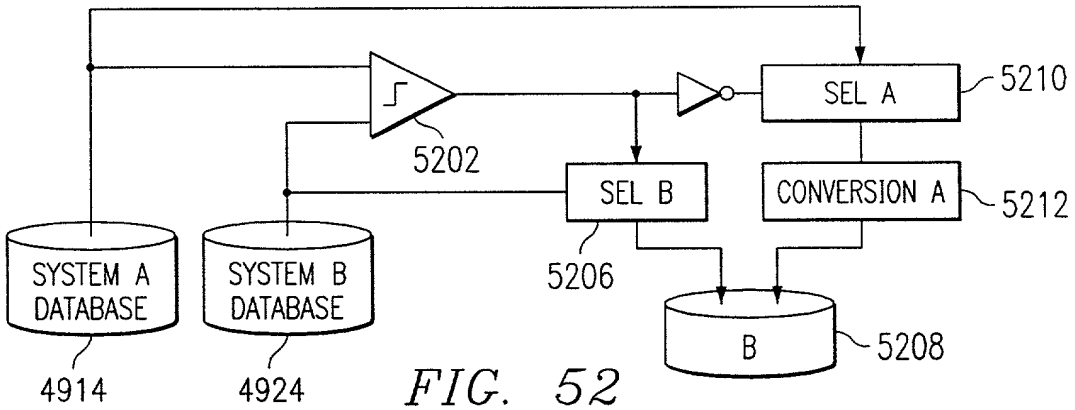
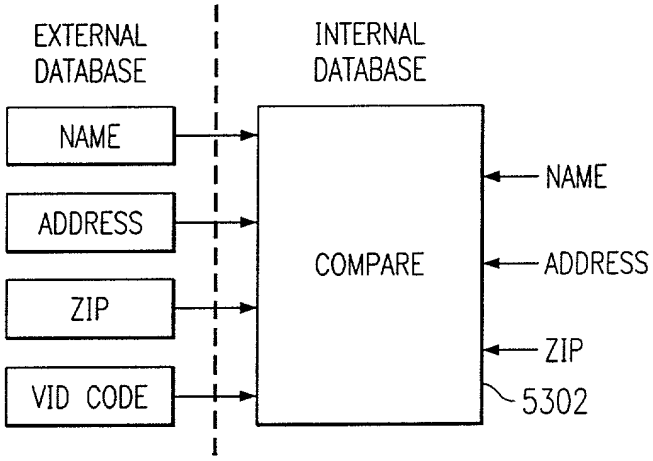


FIG. 52

FIG. 53


EXTERNAL DATABASE
INTERNAL DATABASE
NAME
ADDRESS
ZIP
VID CODE
COMPARE
NAME
ADDRESS
ZIP
5302

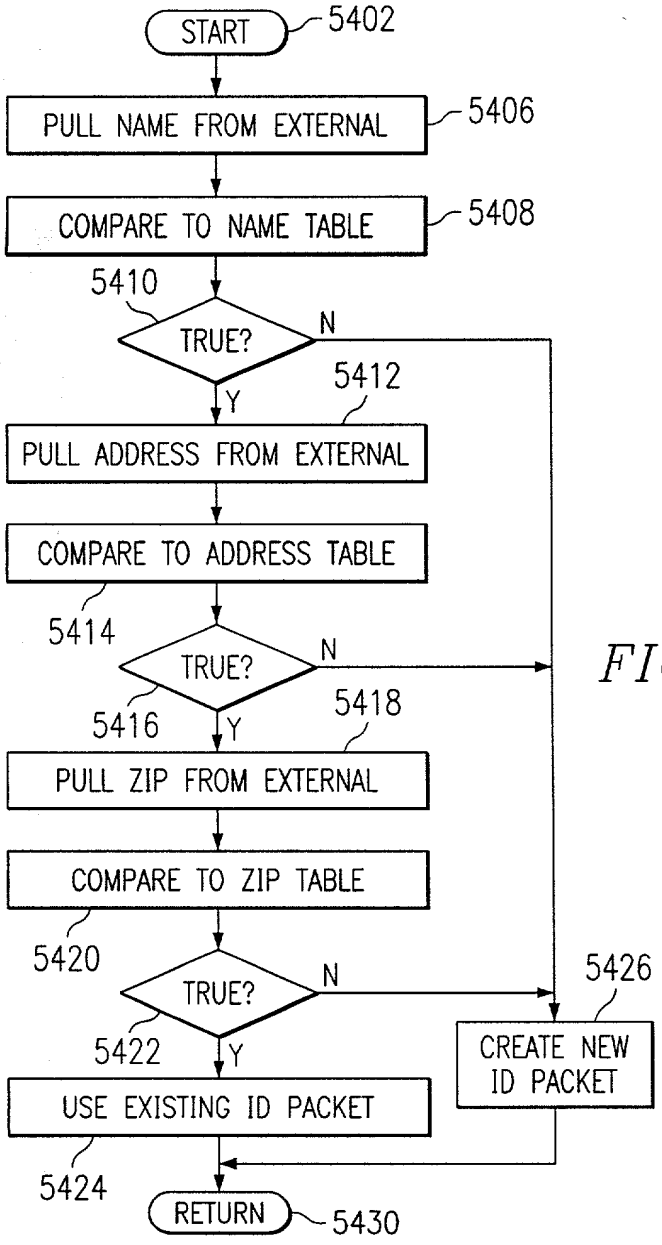

START
5402
PULL NAME FROM EXTERNAL
5406
COMPARE TO NAME TABLE
5408
5410
TRUE?
N
Y
5412
PULL ADDRESS FROM EXTERNAL
COMPARE TO ADDRESS TABLE
5414
TRUE?
N
5416
Y
5418
PULL ZIP FROM EXTERNAL
COMPARE TO ZIP TABLE
5420
TRUE?
N
5426
5422
Y
CREATE NEW ID PACKET
USE EXISTING ID PACKET
5424
RETURN
5430

FIG. 54

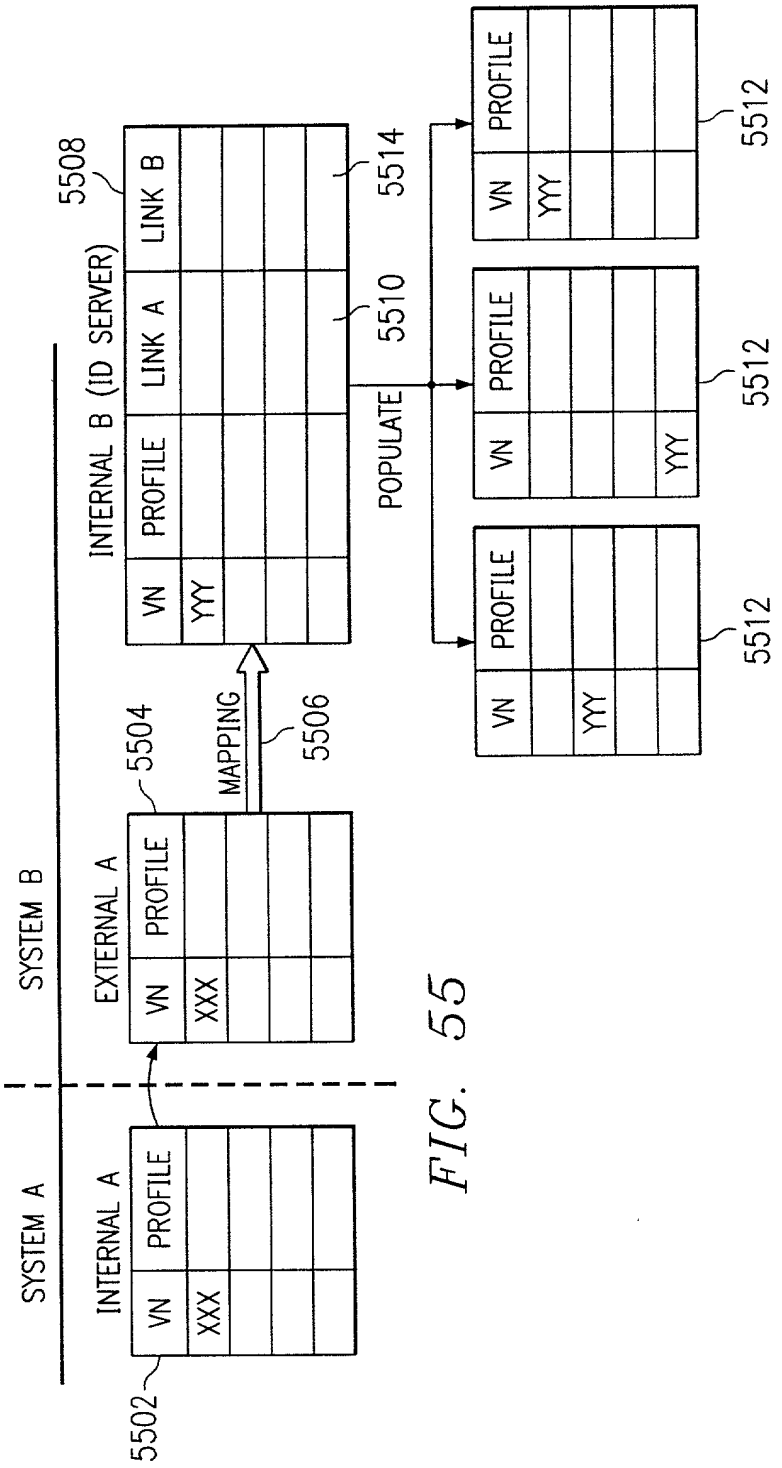

SYSTEM A
SYSTEM B
INTERNAL A
VN
PROFILE
XXX
5502
EXTERNAL A
VN
PROFILE
XXX
5504
MAPPING
5506
INTERNAL B (ID SERVER)
5508
VN
PROFILE
LINK A
LINK B
YYY
5510
5514
POPULATE
VN
PROFILE
YYY
5512
VN
PROFILE
YYY
5512
VN
PROFILE
YYY
5512

FIG. 55

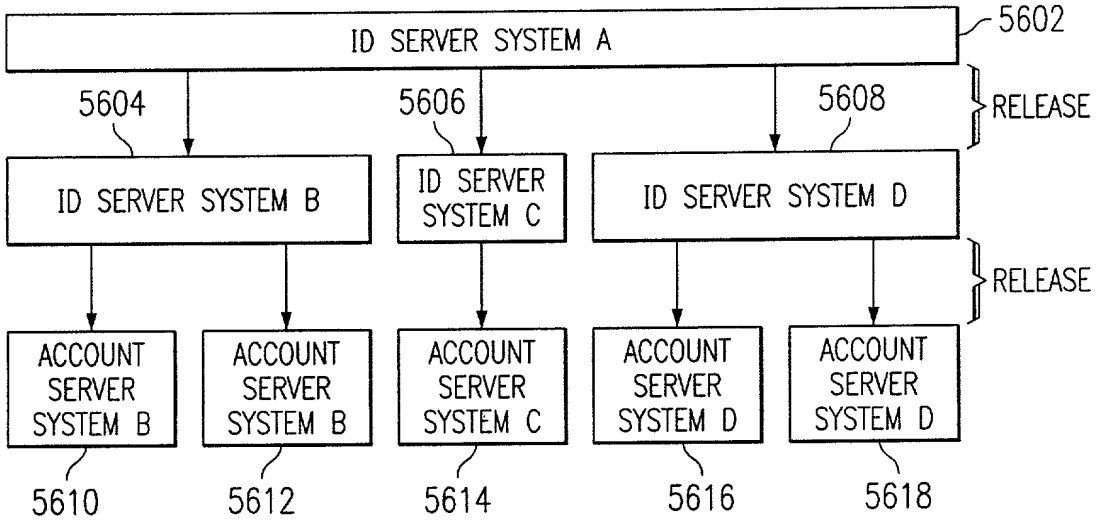


FIG. 56

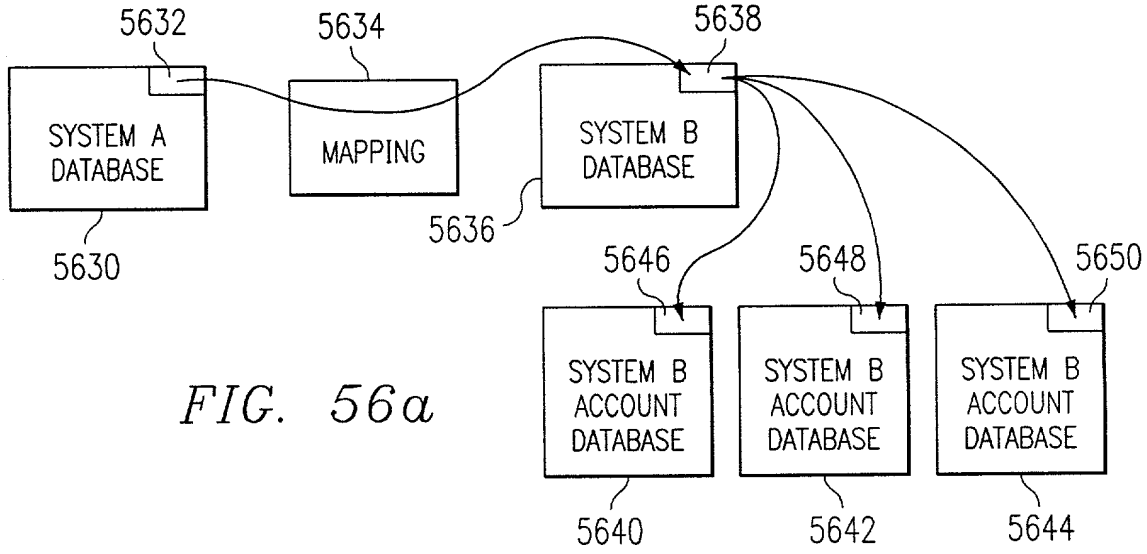


FIG. 56a

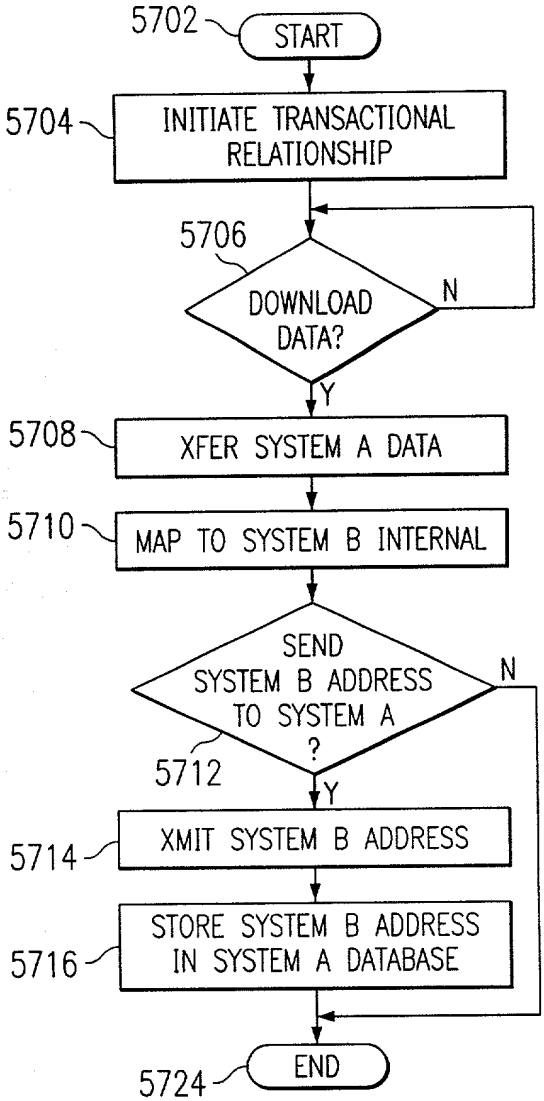


FIG. 57

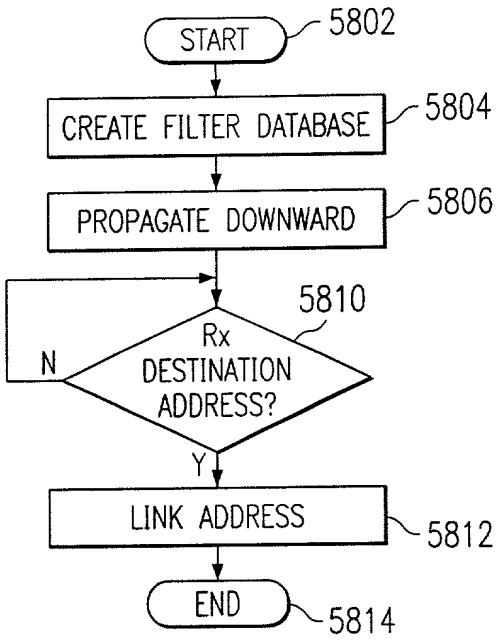


FIG. 58

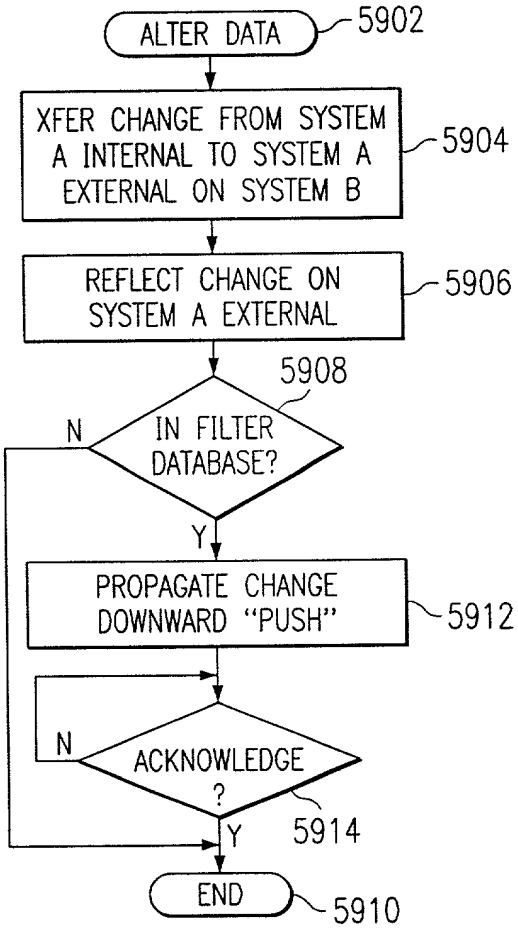


FIG. 59

FIG. 60

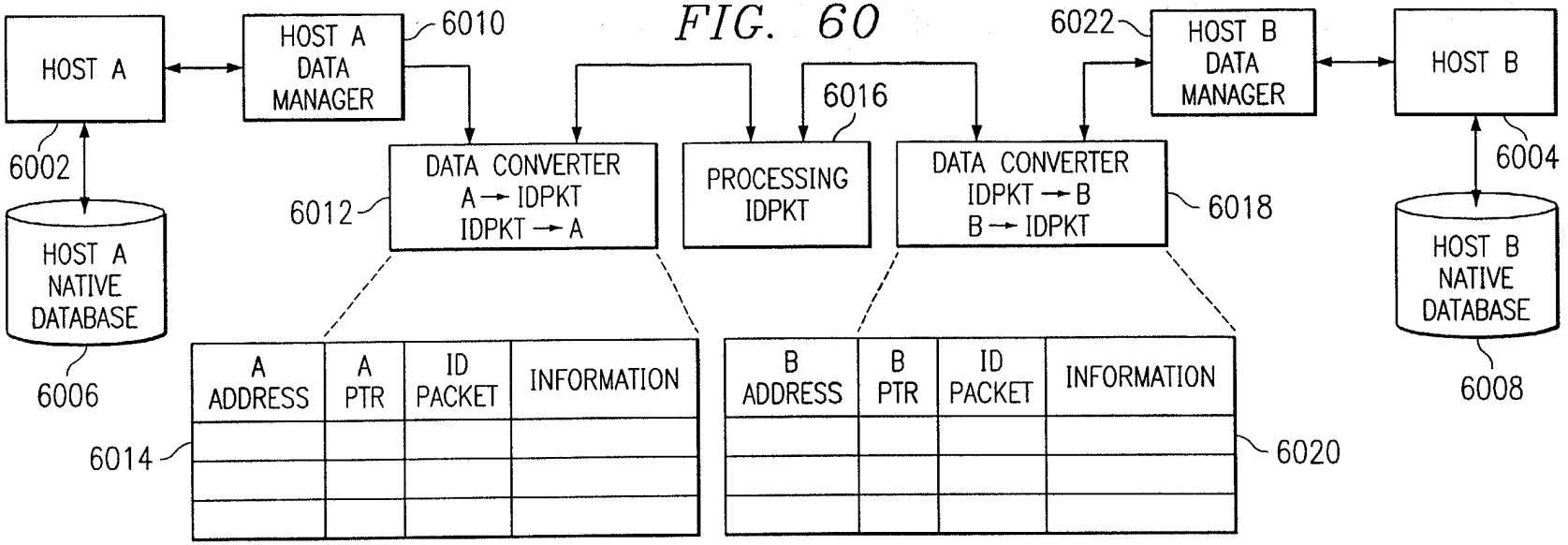
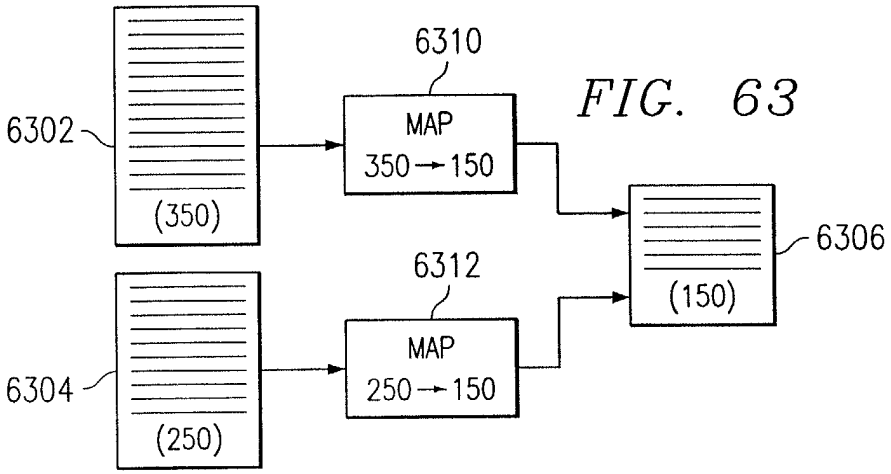

HOST A
HOST A DATA MANAGER
6010
6022
HOST B DATA MANAGER
HOST B
6002
6004
6016
DATA CONVERTER A → IDPKT IDPKT → A
PROCESSING IDPKT
DATA CONVERTER IDPKT → B B → IDPKT
6012
6018
HOST A NATIVE DATABASE
HOST B NATIVE DATABASE
6006
6008
A ADDRESS
A PTR
ID PACKET
INFORMATION
6014
B ADDRESS
B PTR
ID PACKET
INFORMATION
6020

FIG. 63


6302
(350)
6310
MAP 350 → 150
6306
(150)
6312
MAP 250 → 150
6304
(250)

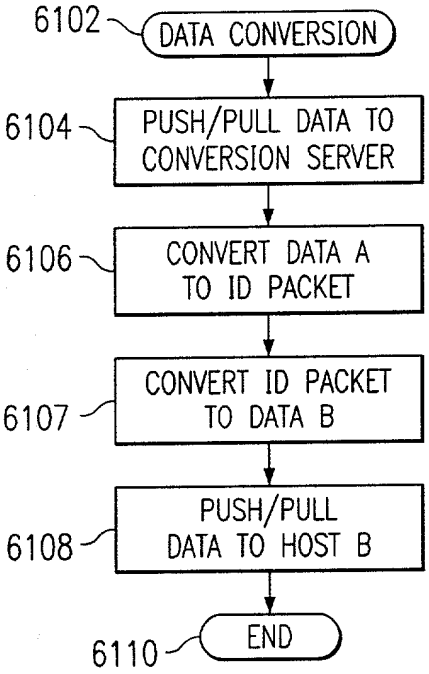


FIG. 61

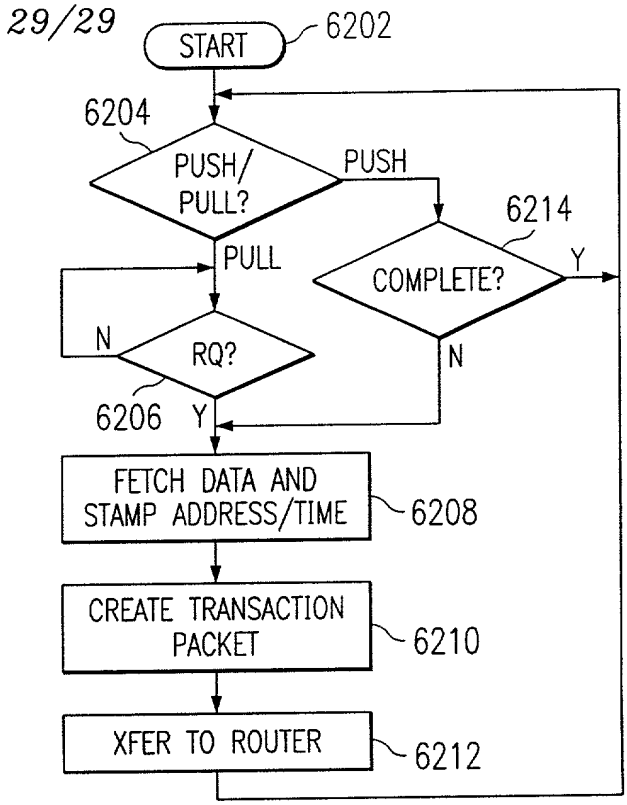


FIG. 62

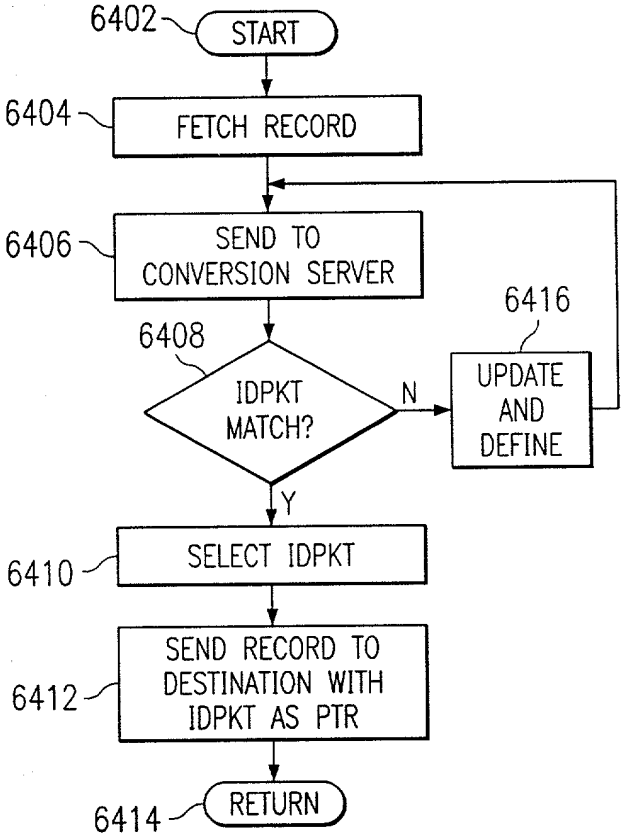


FIG. 64

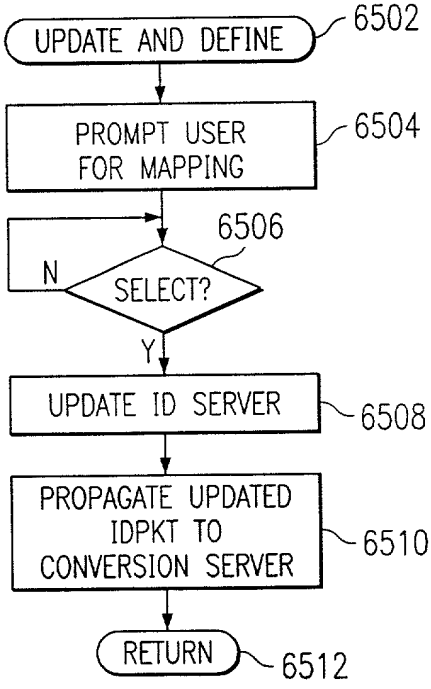


FIG. 65